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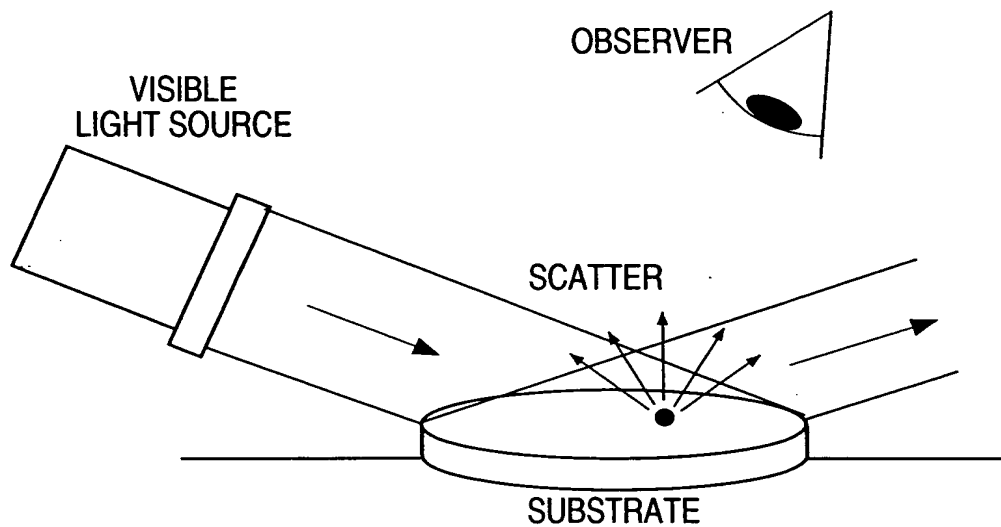


FIG. 1

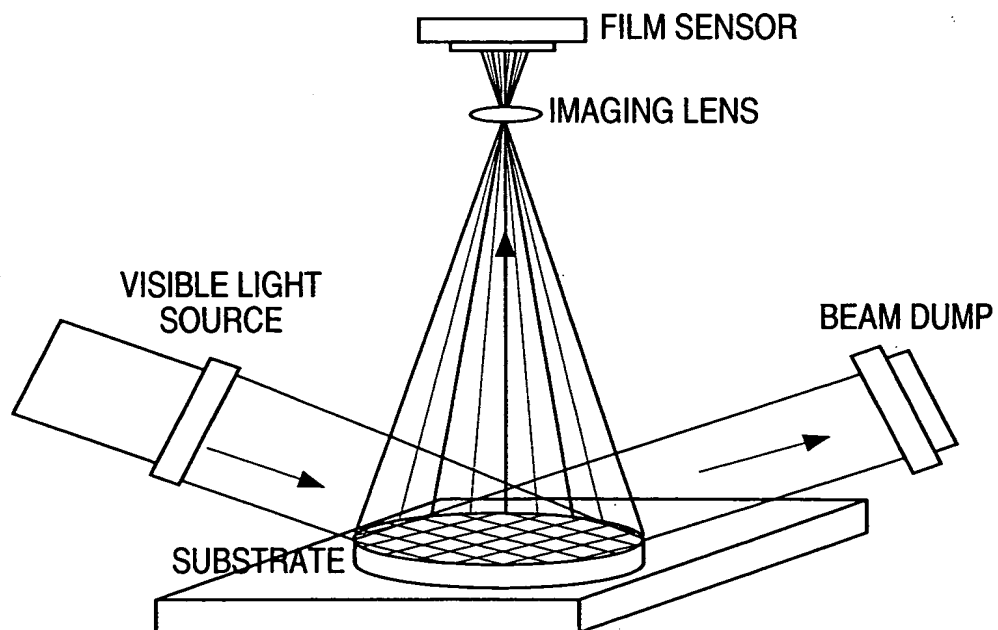


FIG. 2

X,Y, $\theta$   
STAGE

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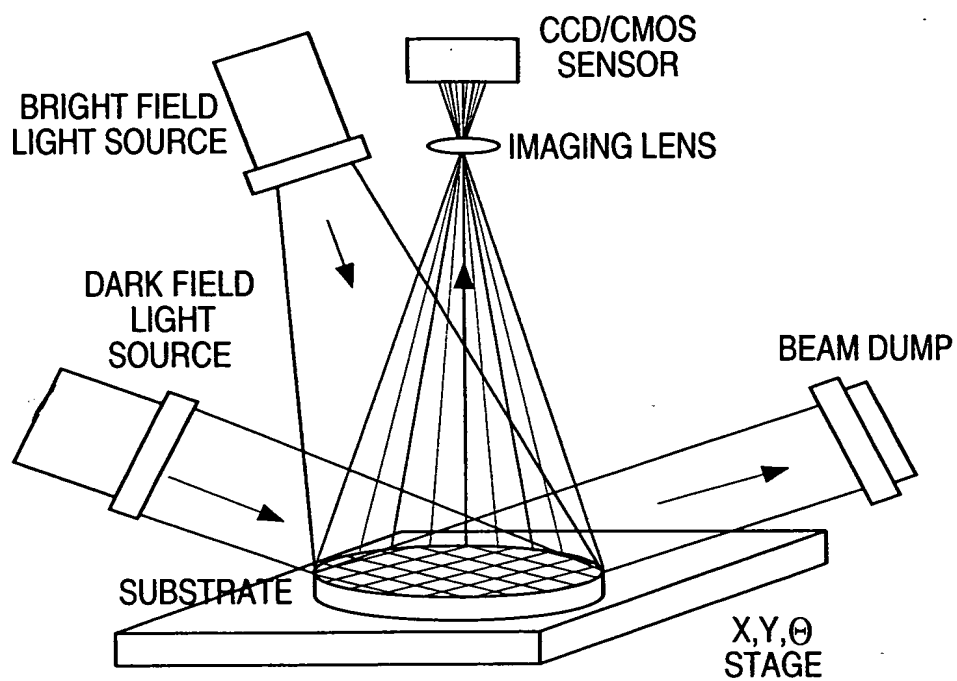


FIG. 3

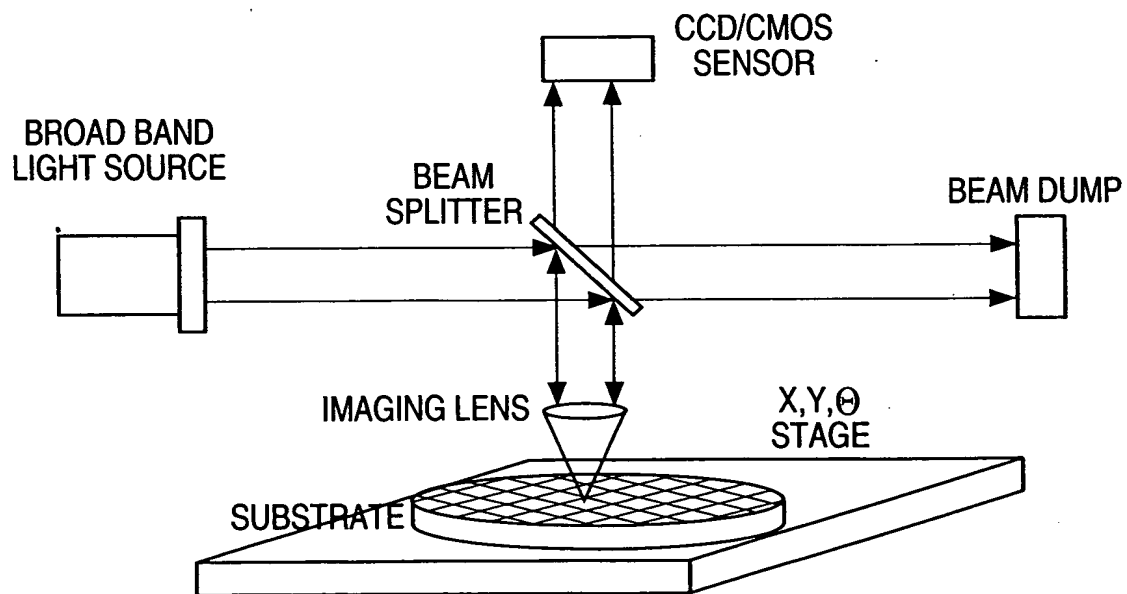


FIG. 3A

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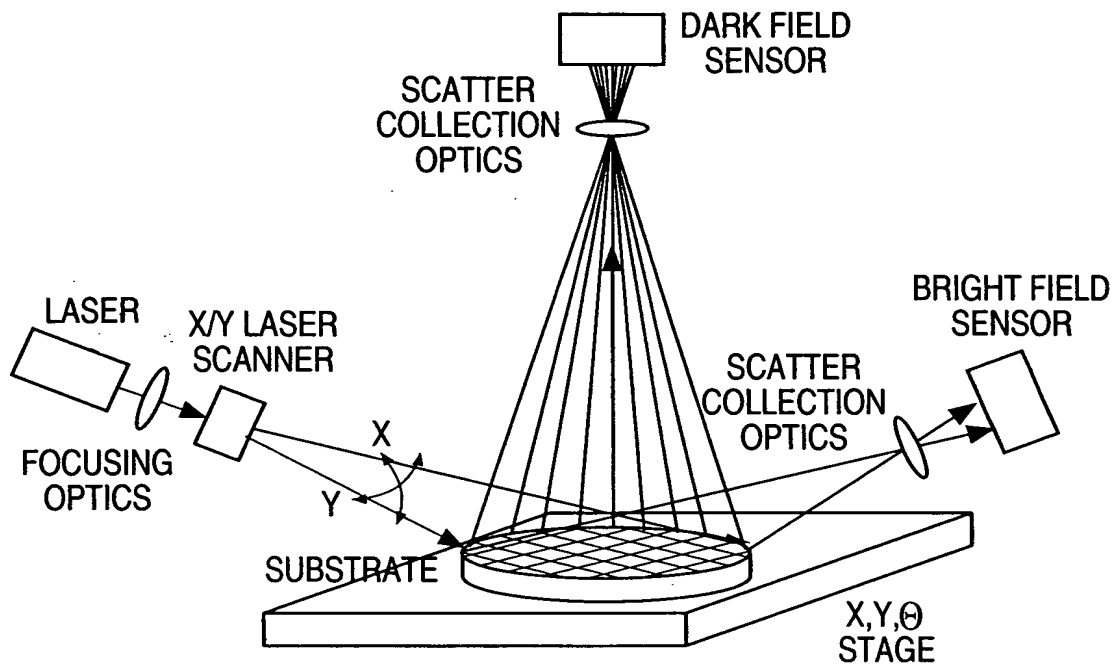


FIG. 3B

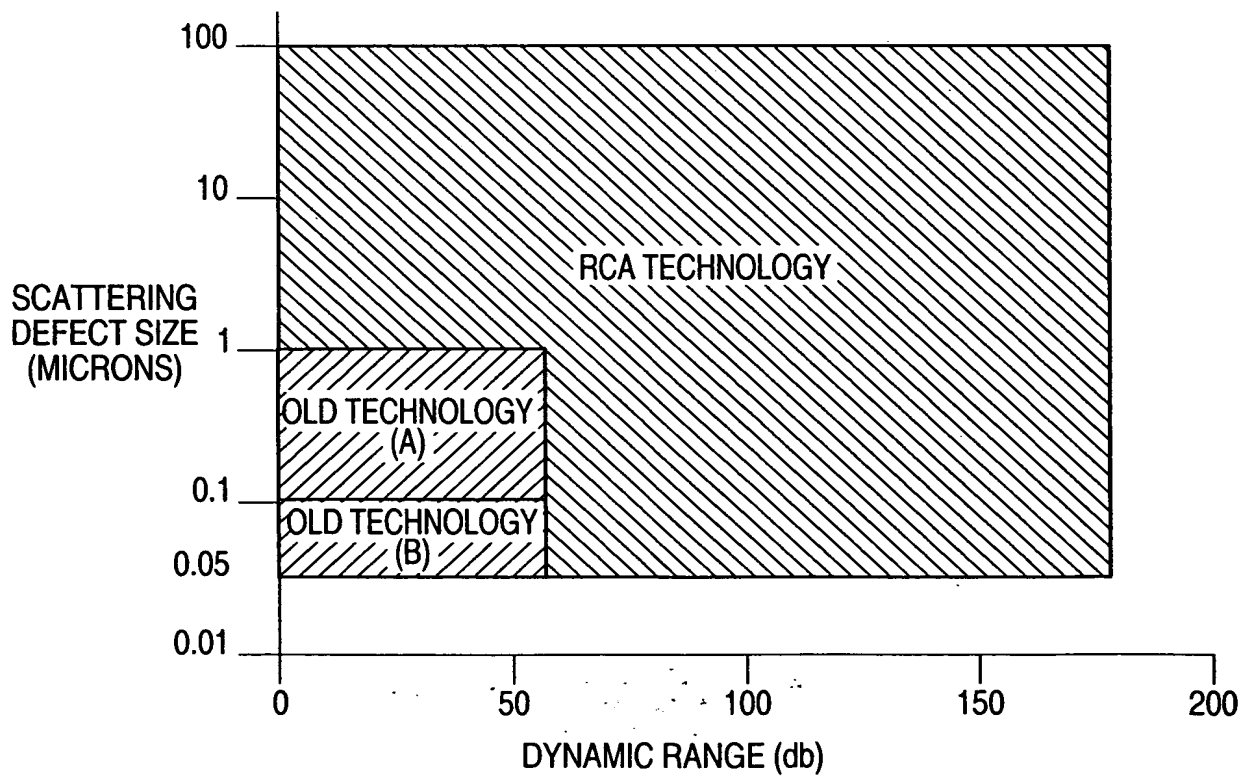


FIG. 4A

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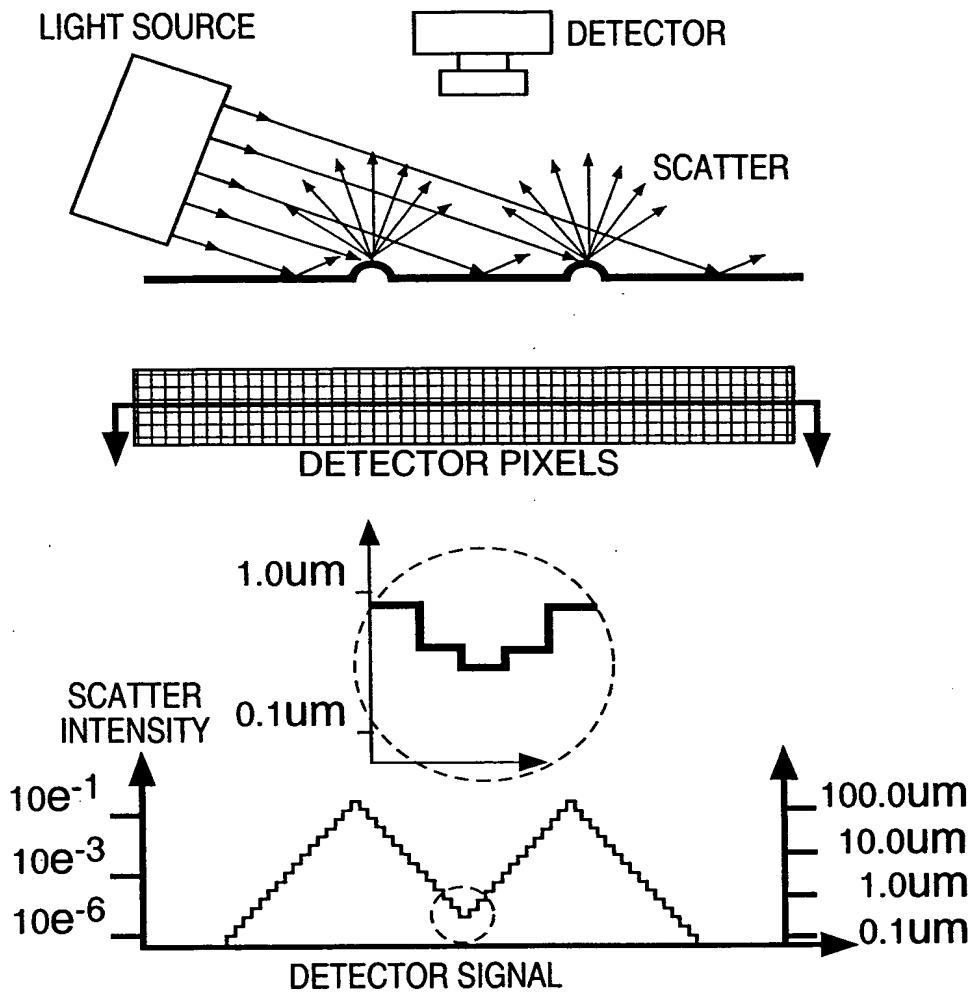


FIG. 4B

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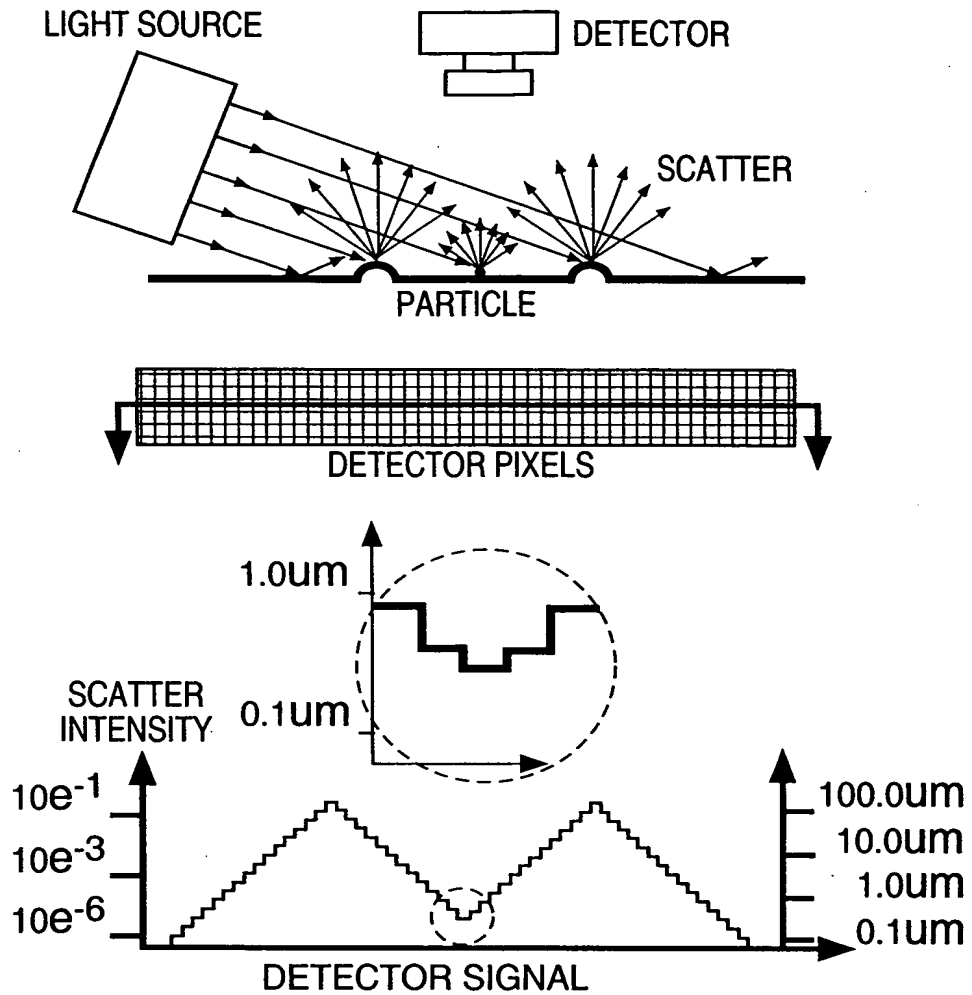


FIG. 4C

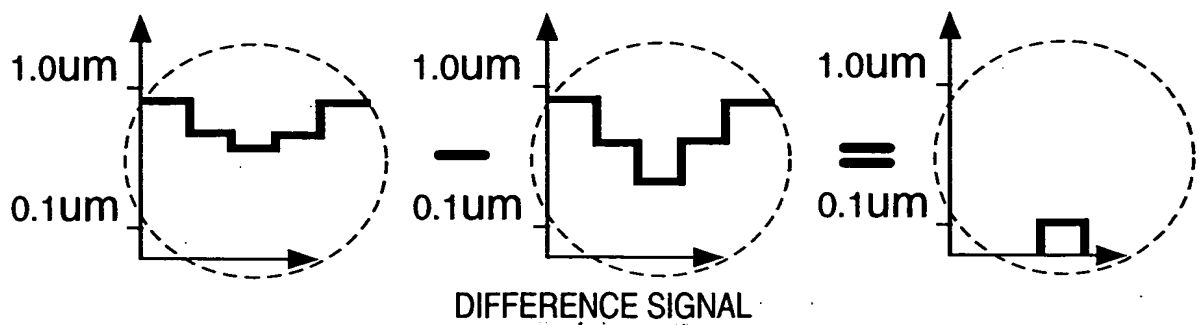


FIG. 4D

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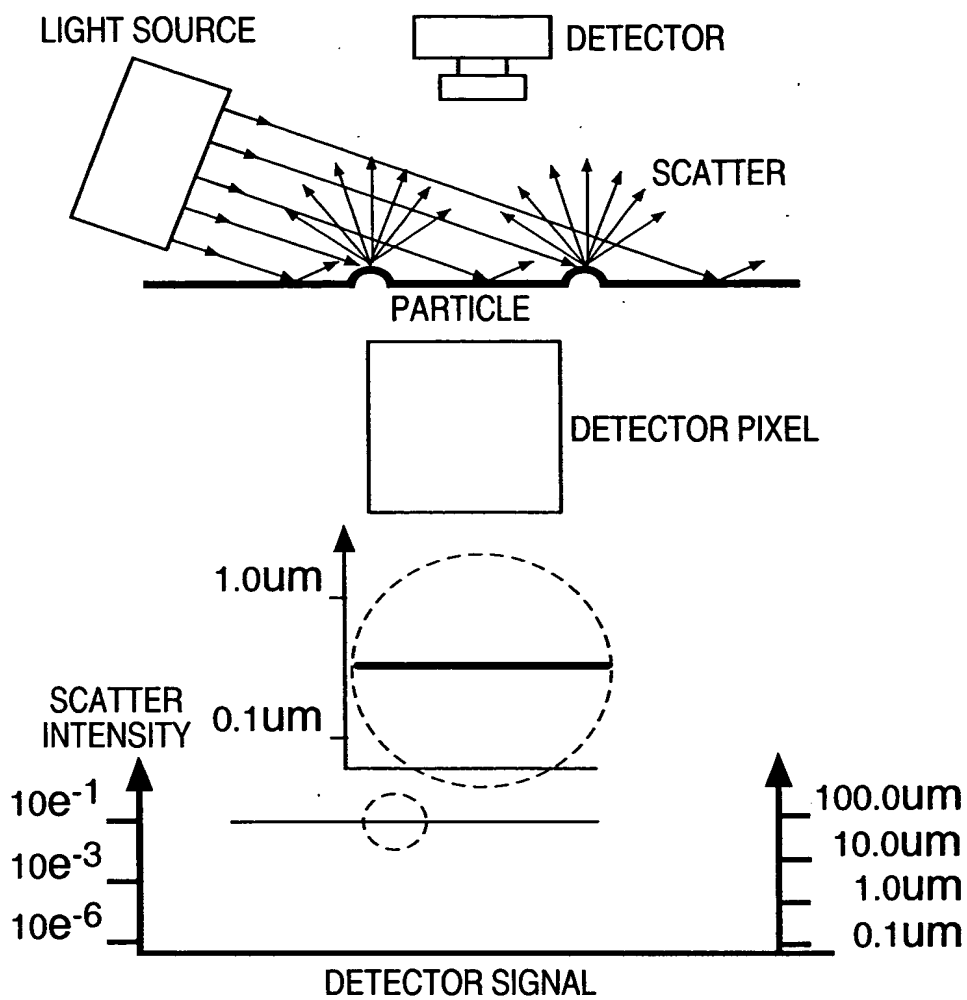


FIG. 4E

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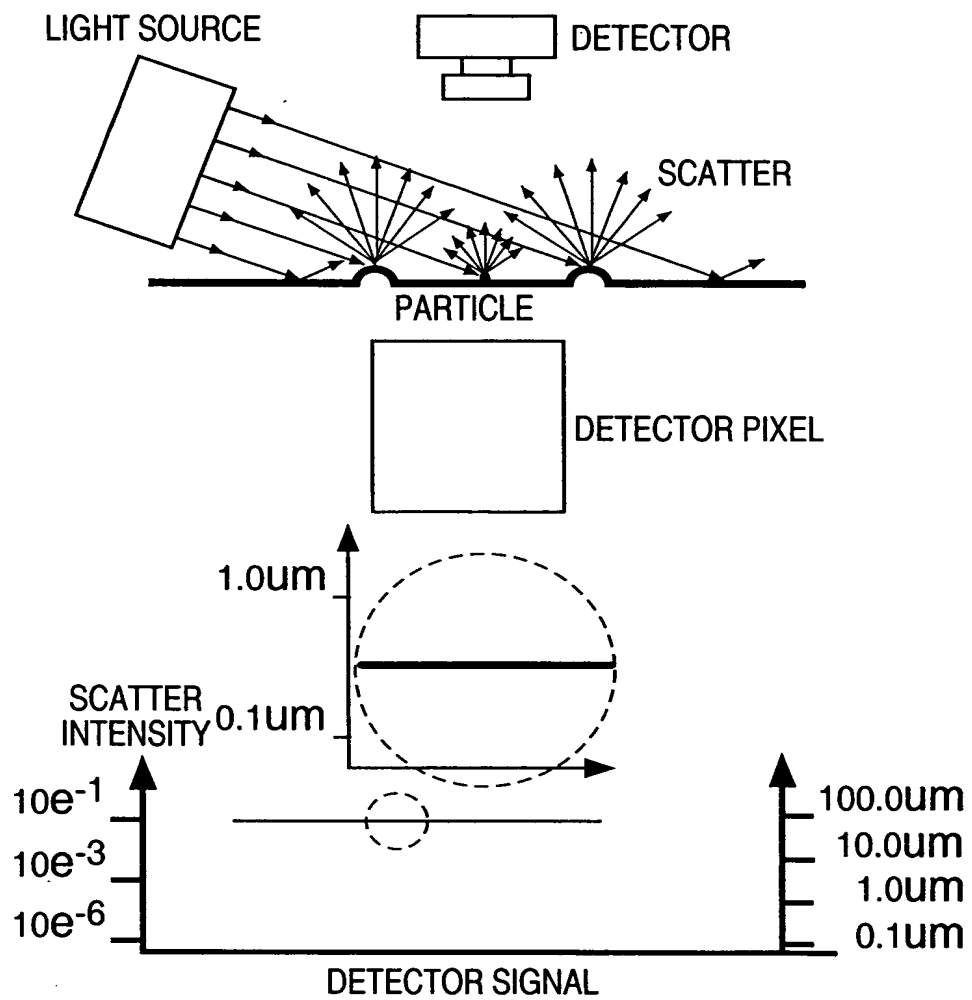


FIG. 4F

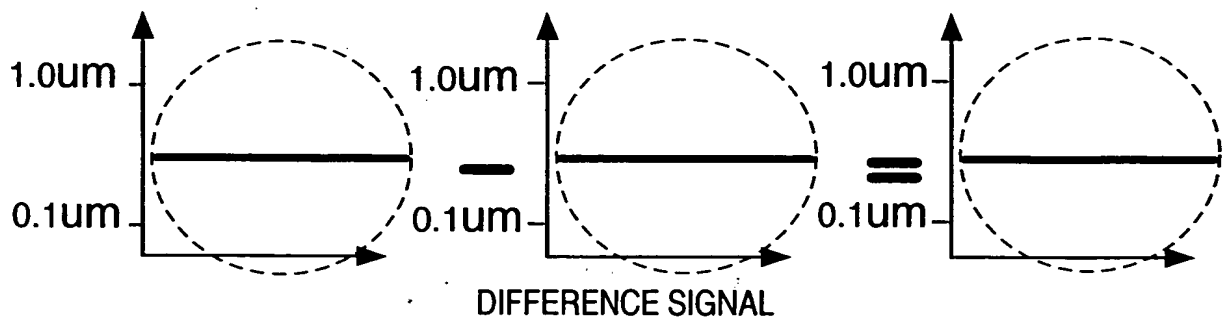
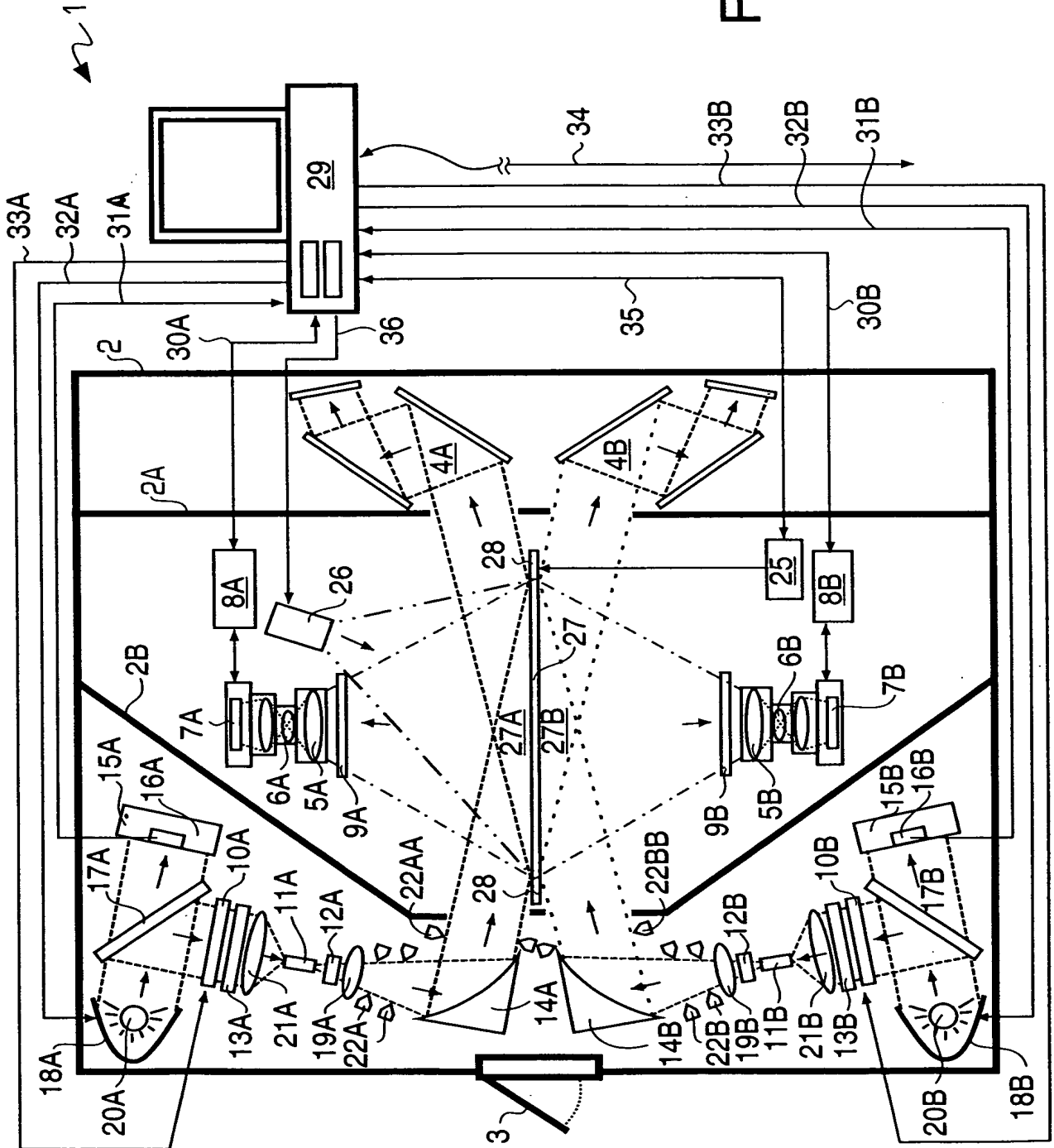


FIG. 4G



FIG. 5



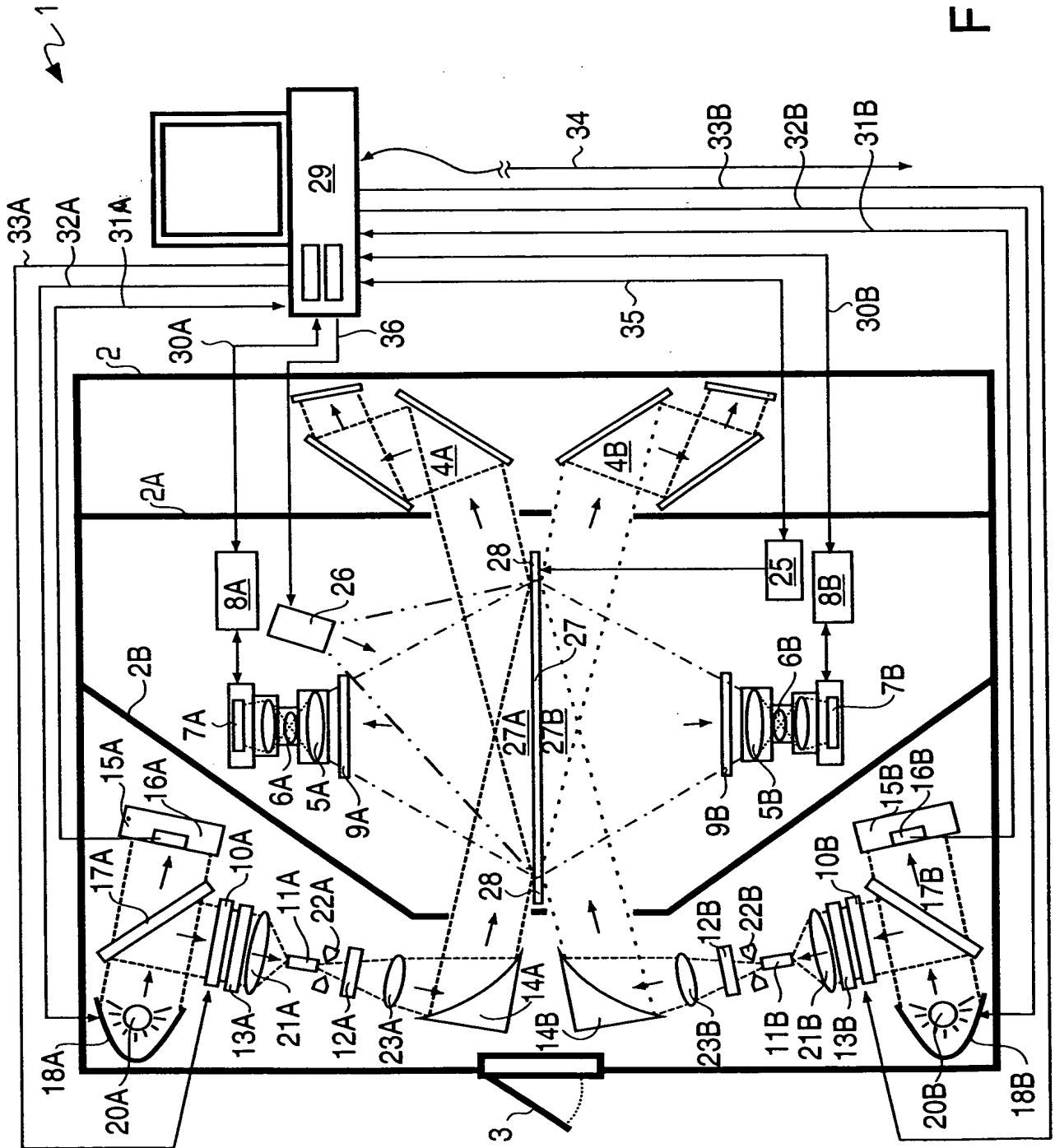


FIG. 5A

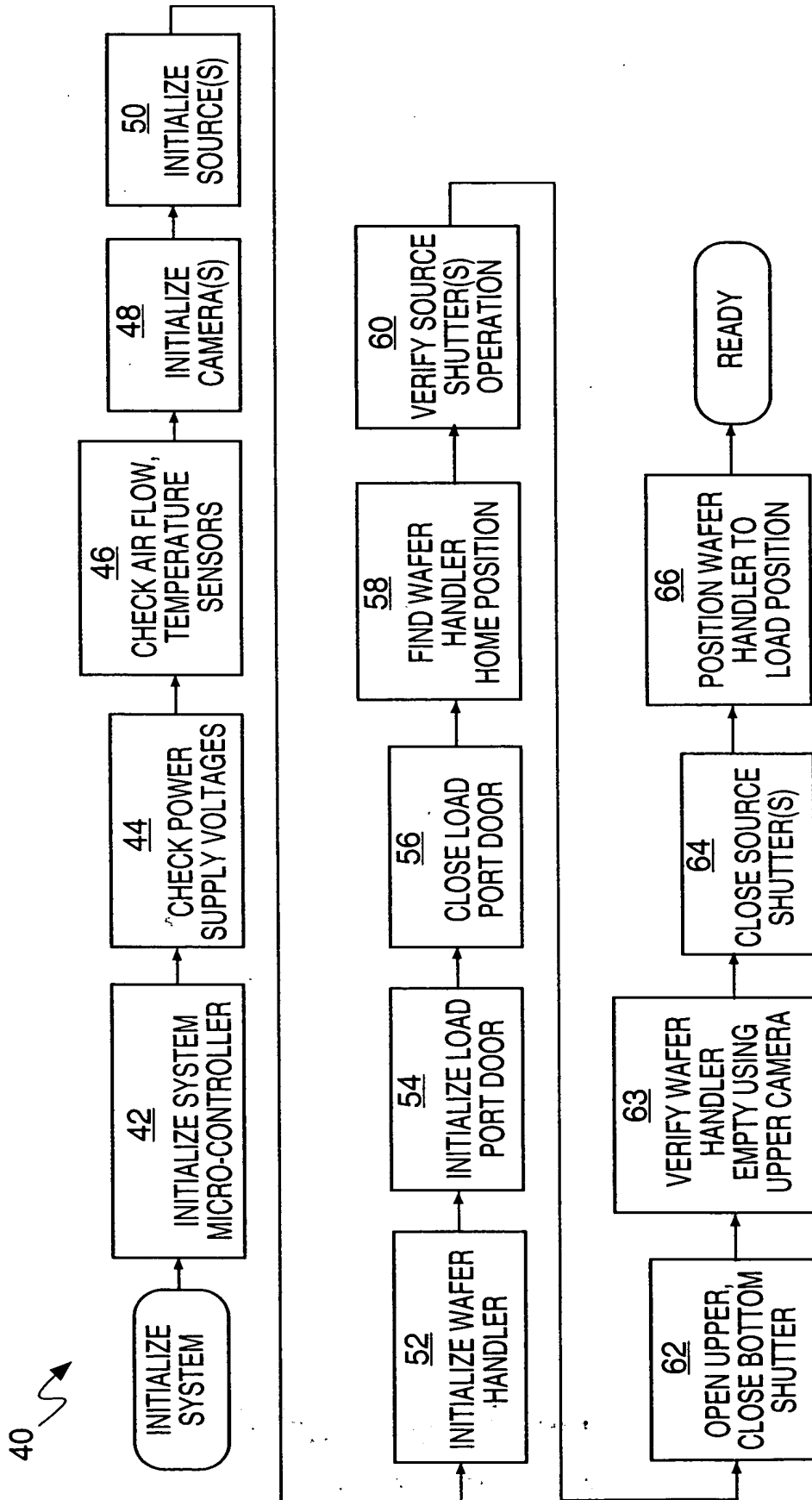


FIG. 6

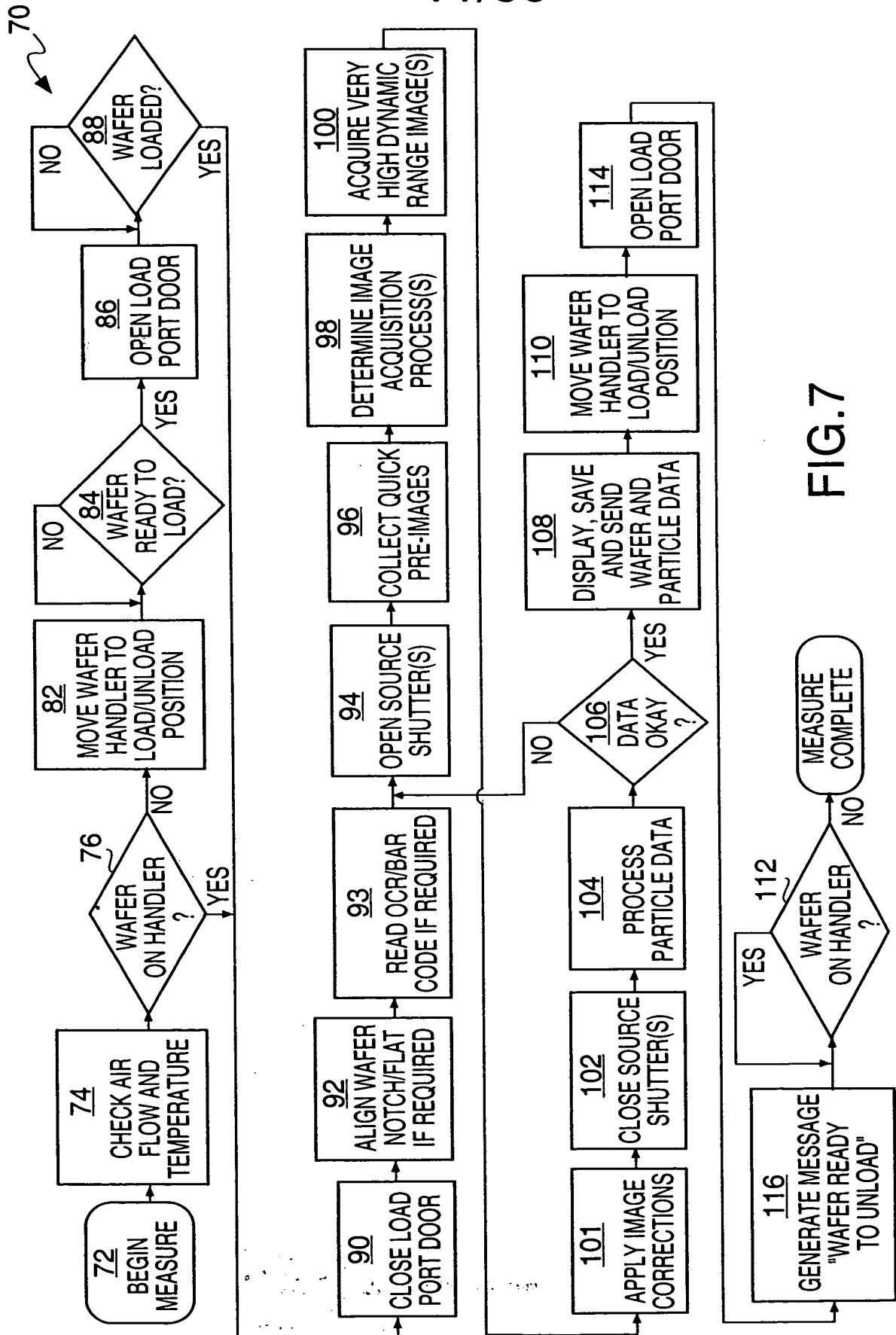


FIG. 7

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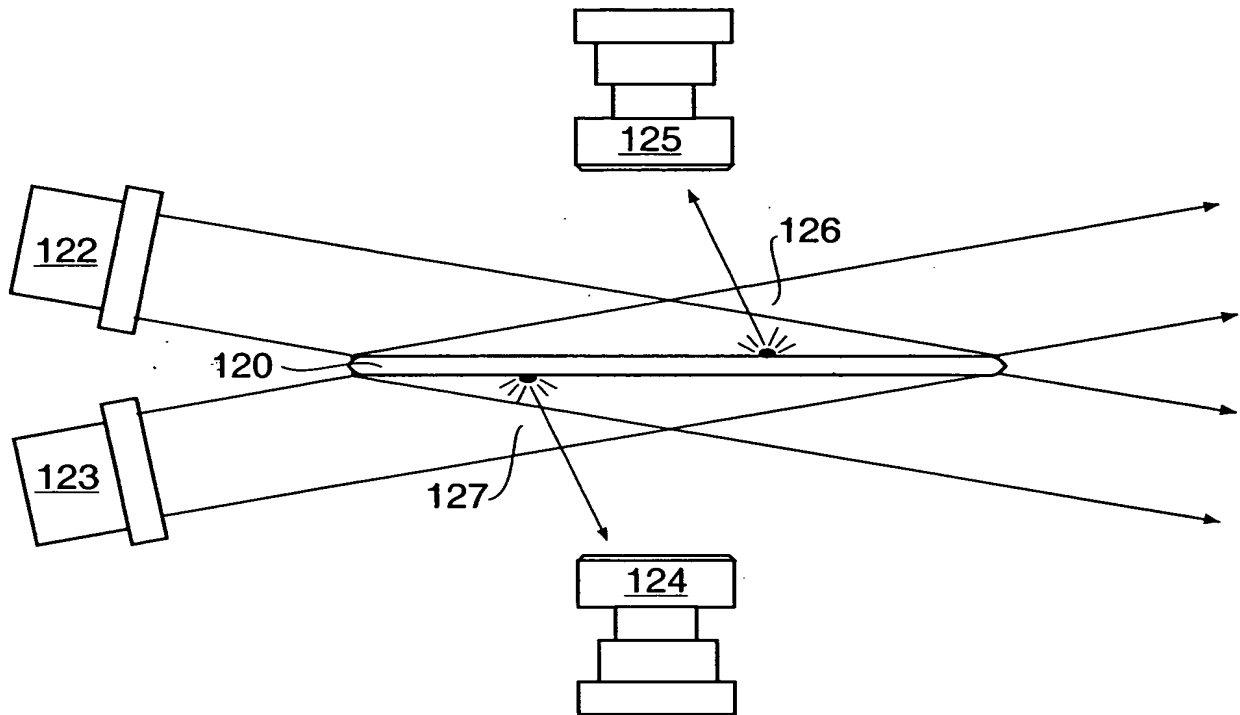


FIG. 8

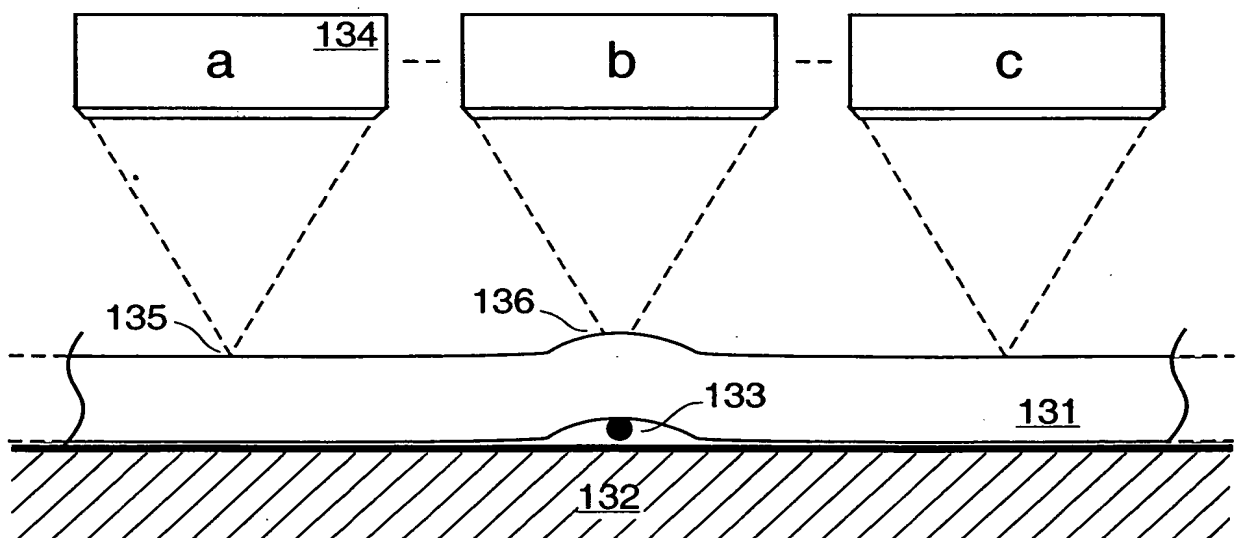


FIG. 9

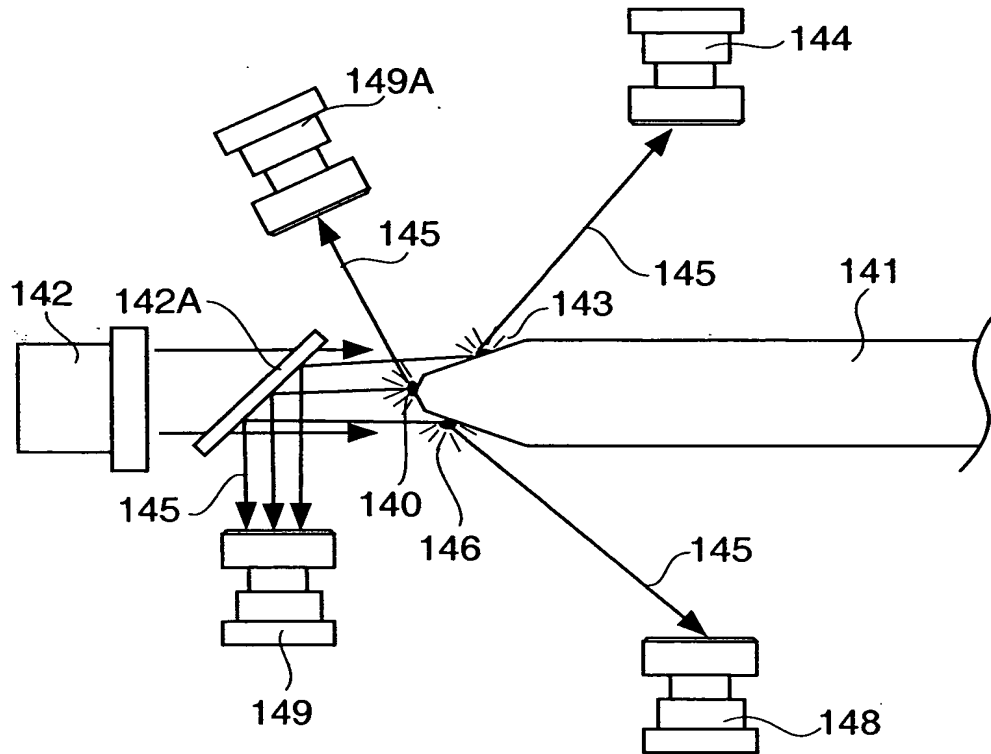


FIG. 10

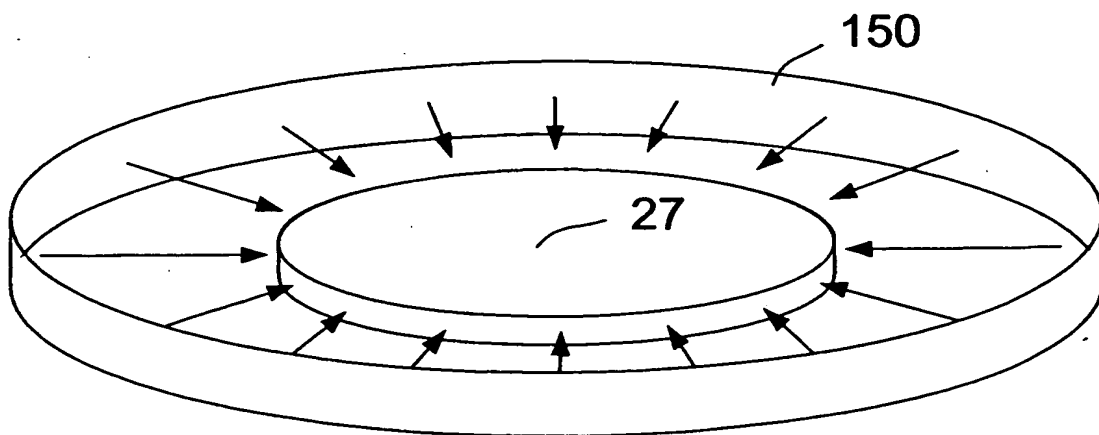


FIG. 11

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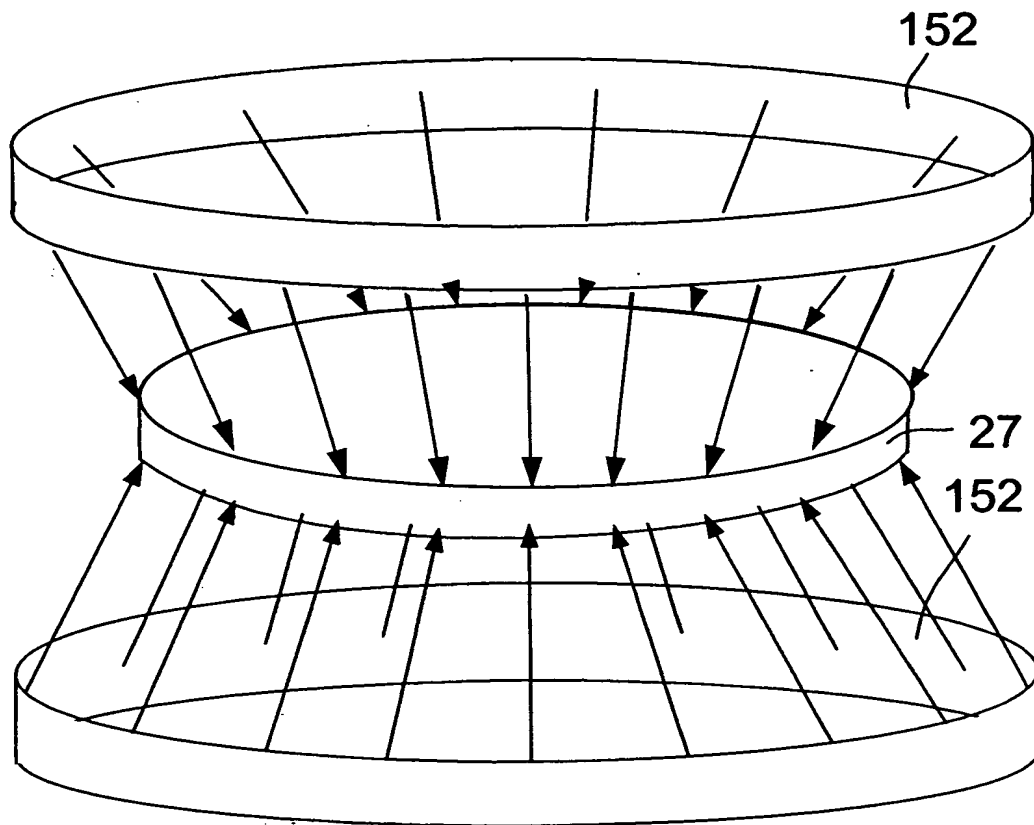


FIG. 12

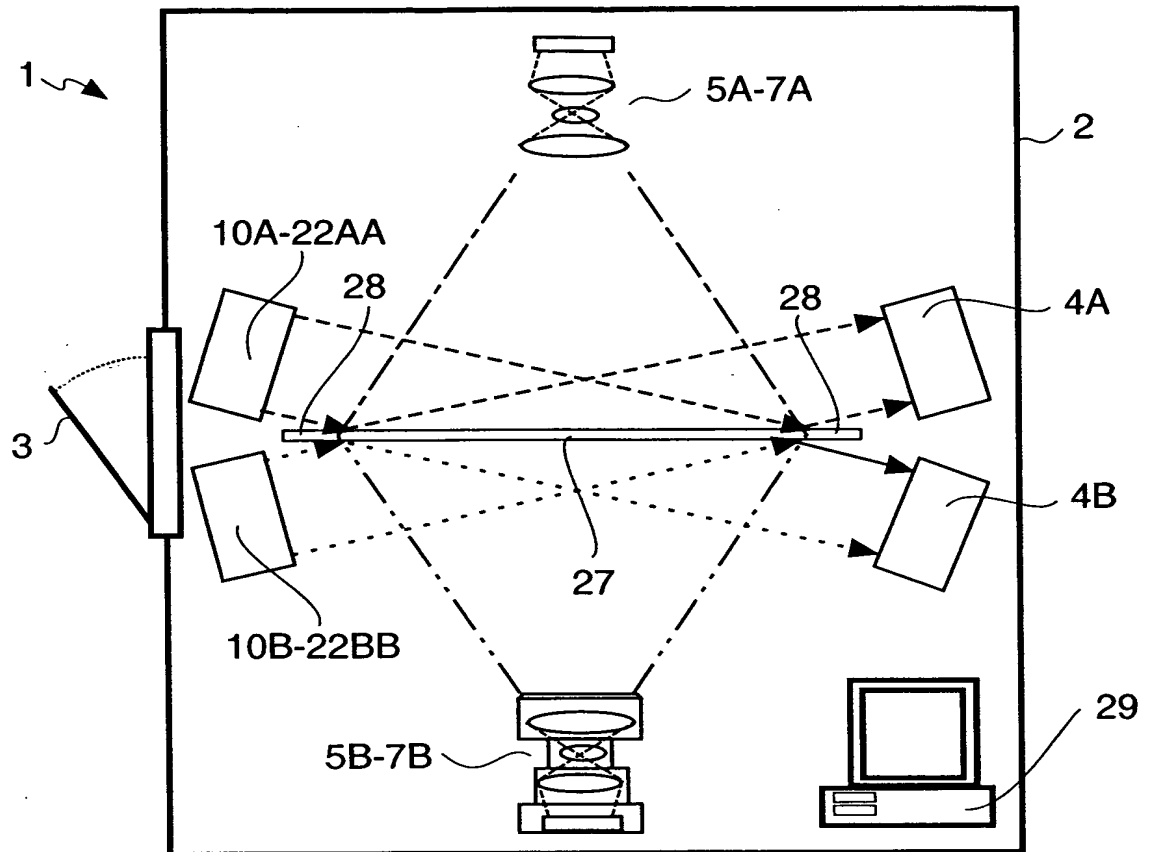


FIG. 13A



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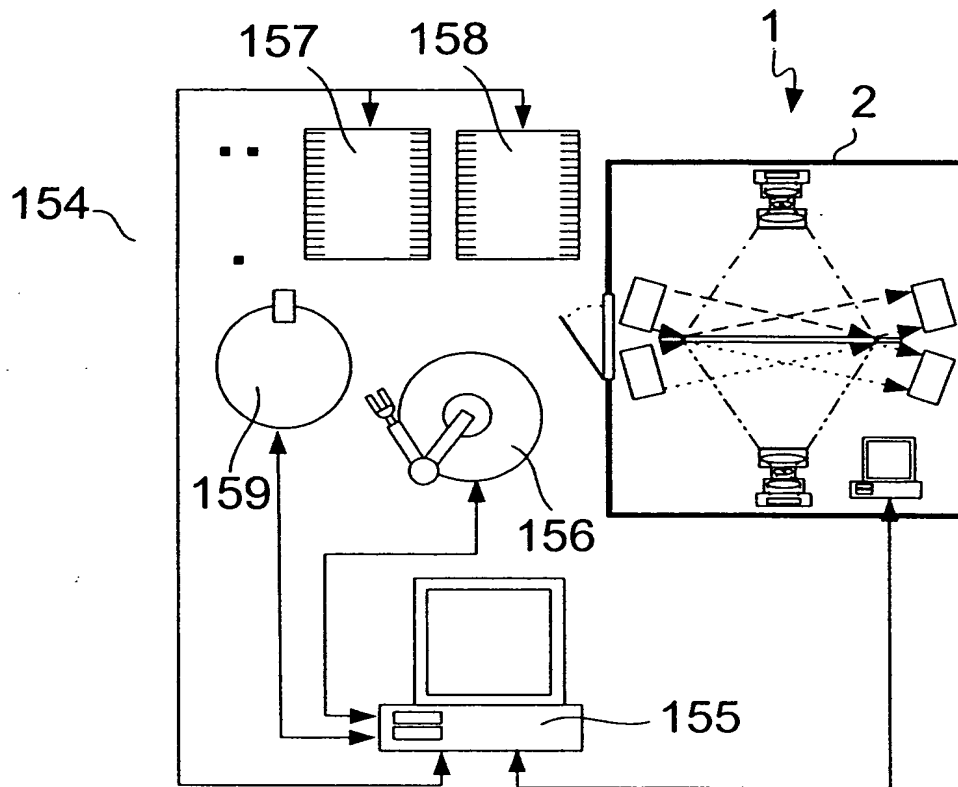


FIG. 13B

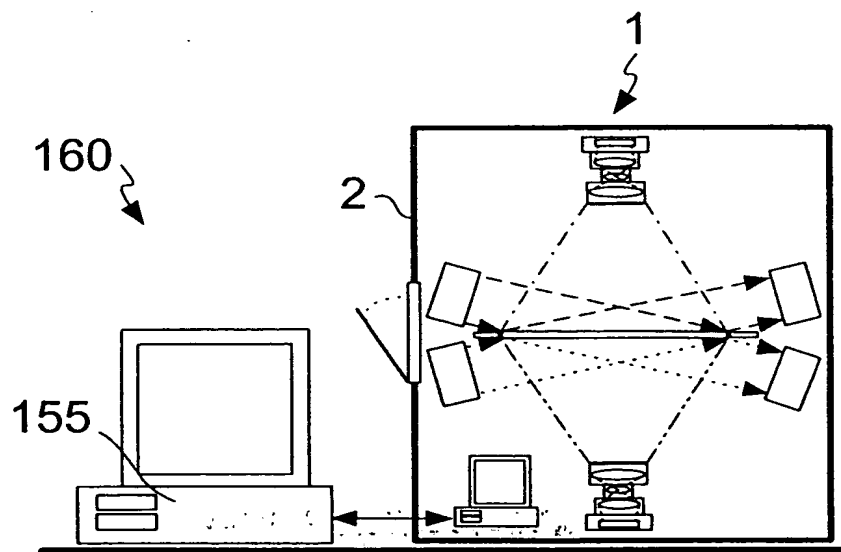


FIG. 13C

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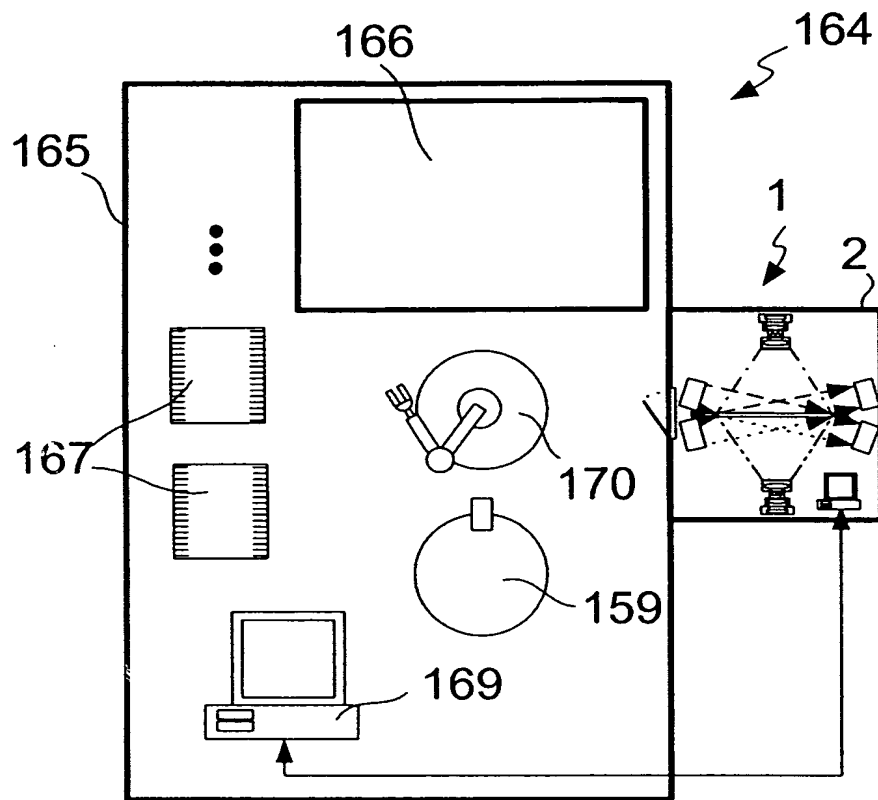


FIG. 13D

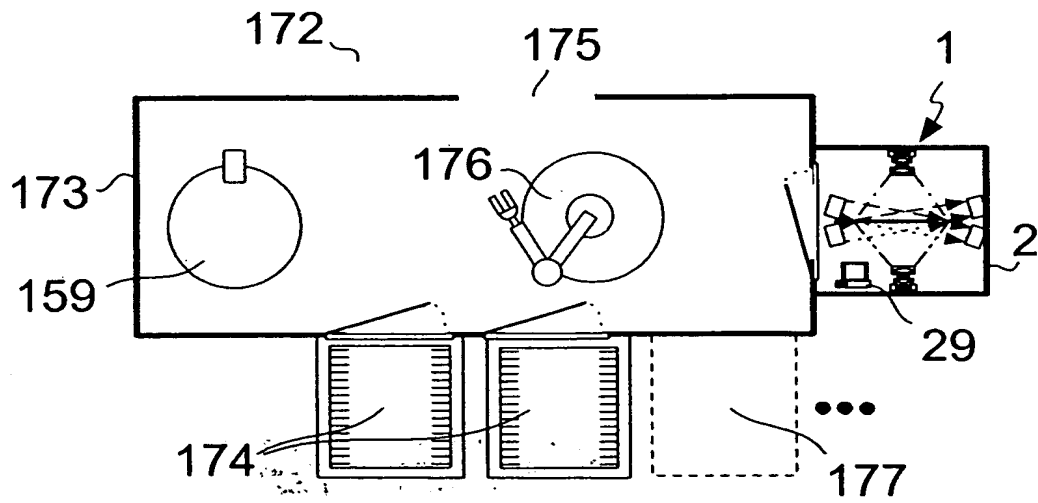


FIG. 13E

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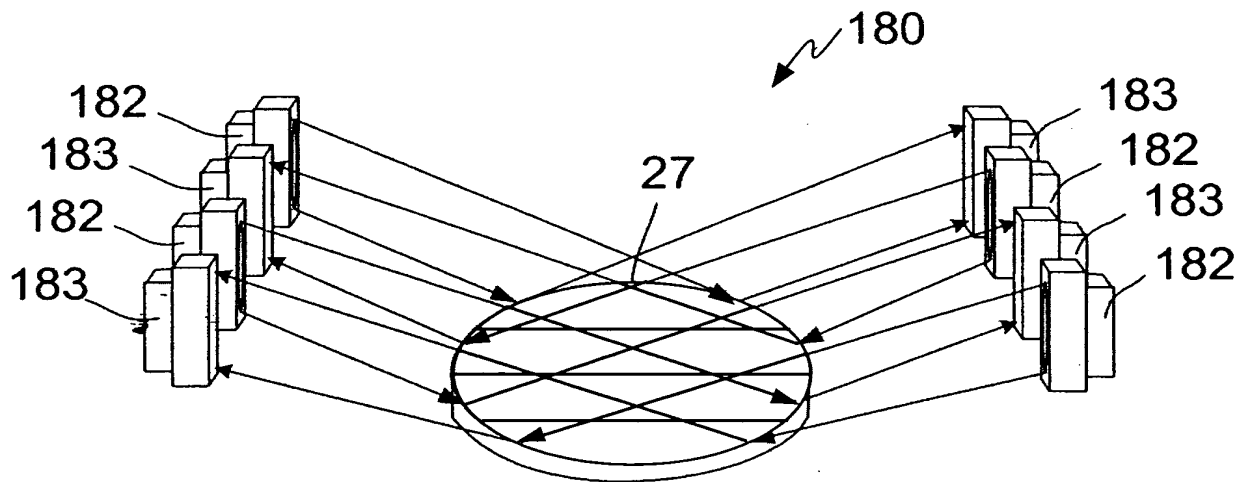


FIG. 14

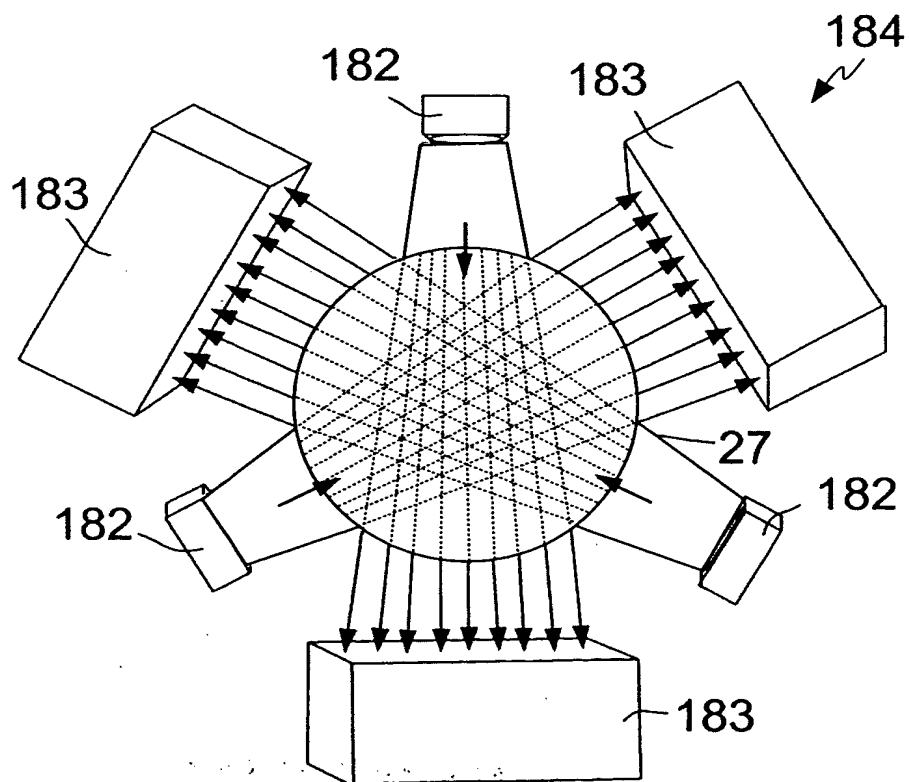


FIG. 15

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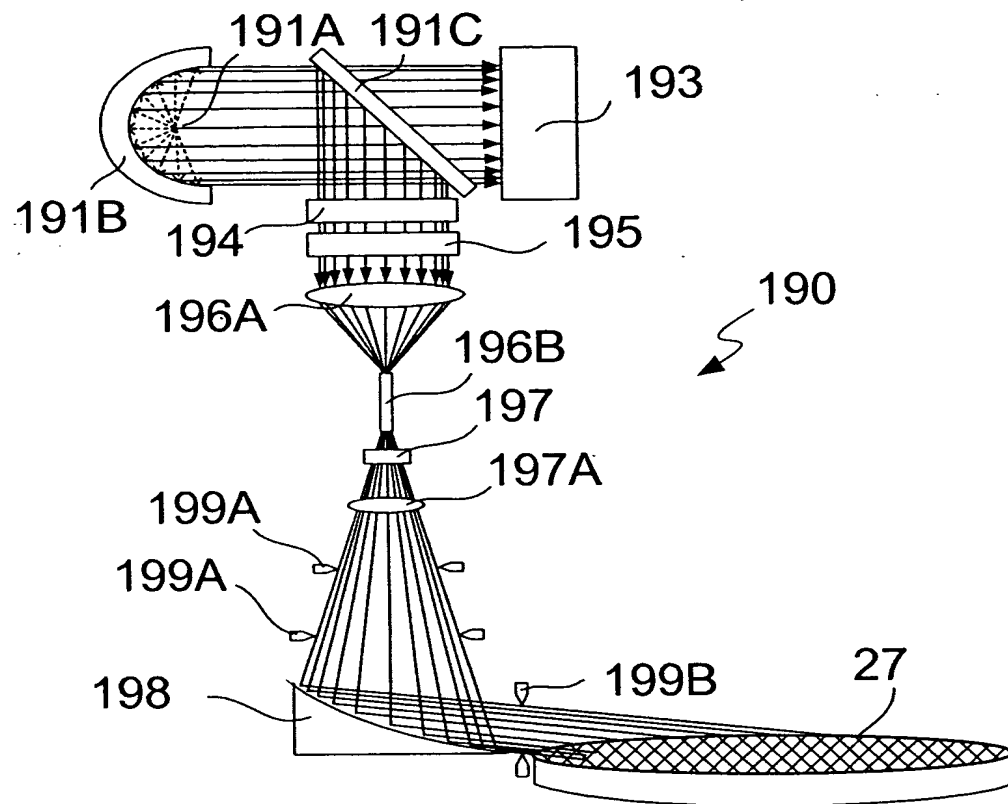


FIG. 16

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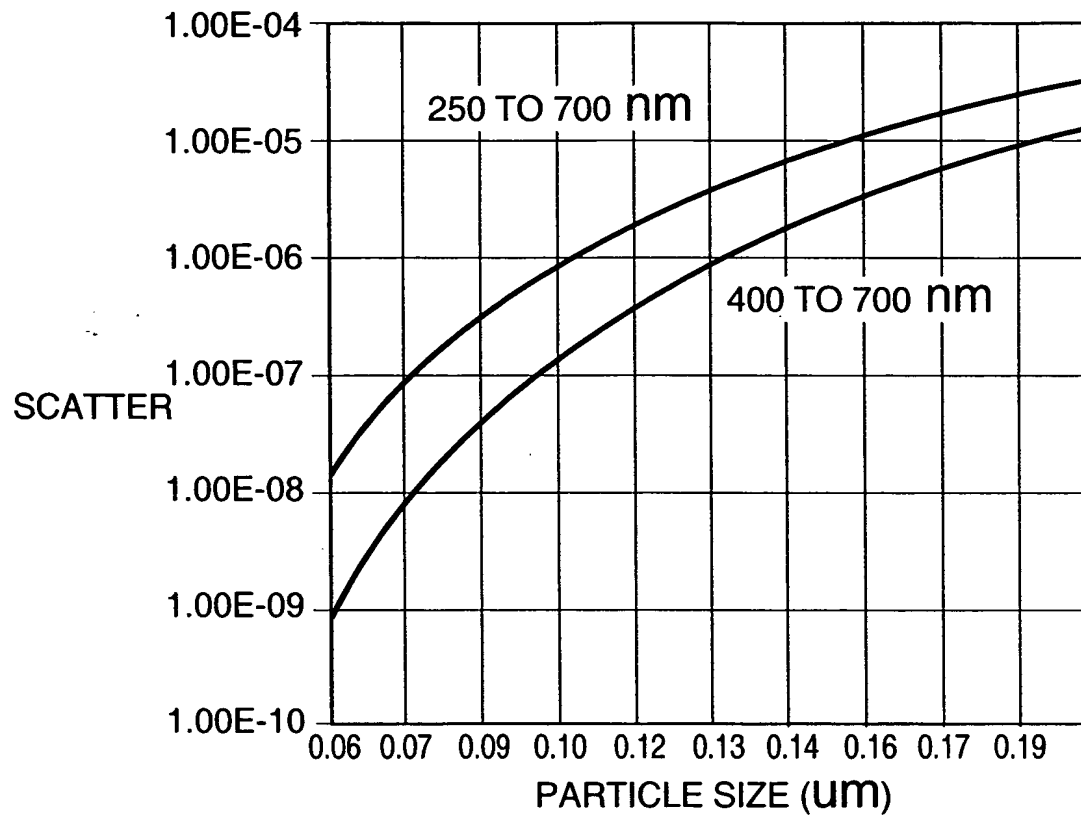


FIG. 16A

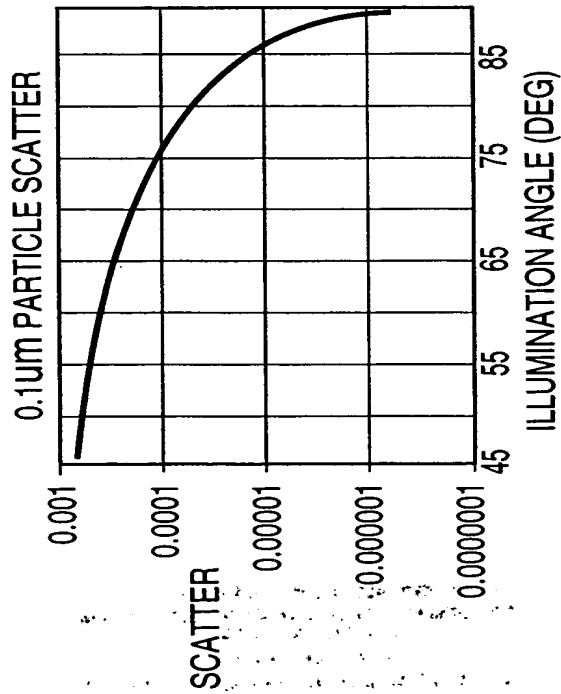
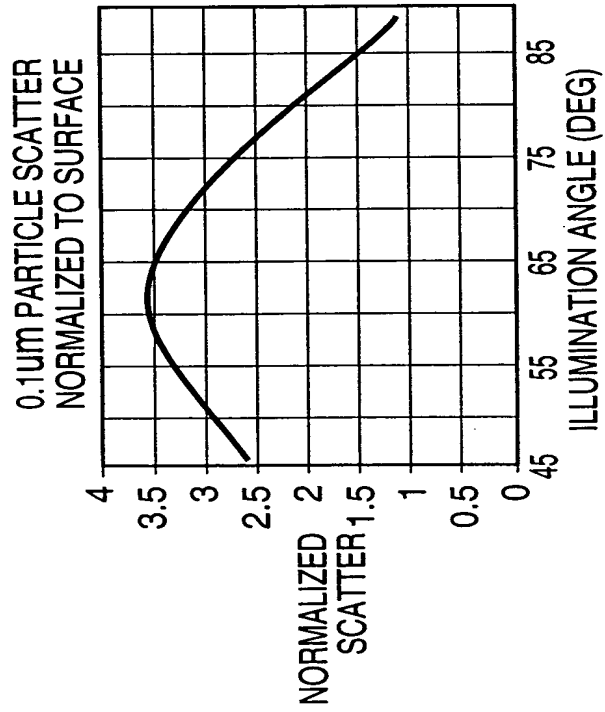


FIG. 16B

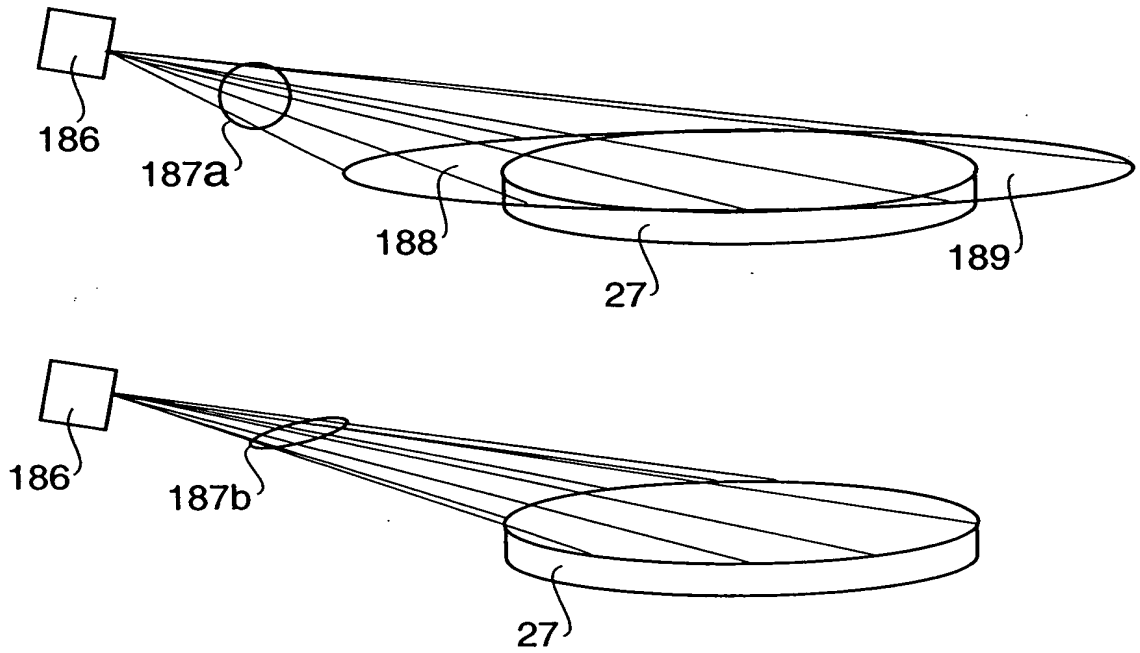


FIG. 16C

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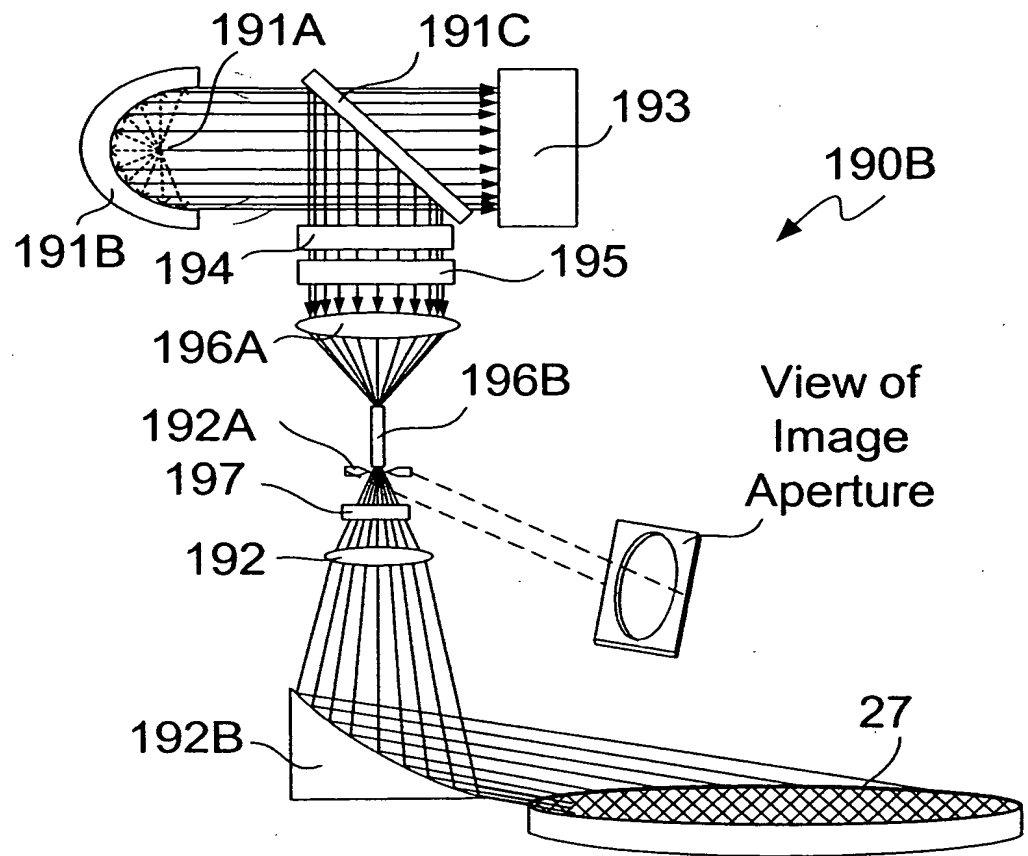


FIG. 17

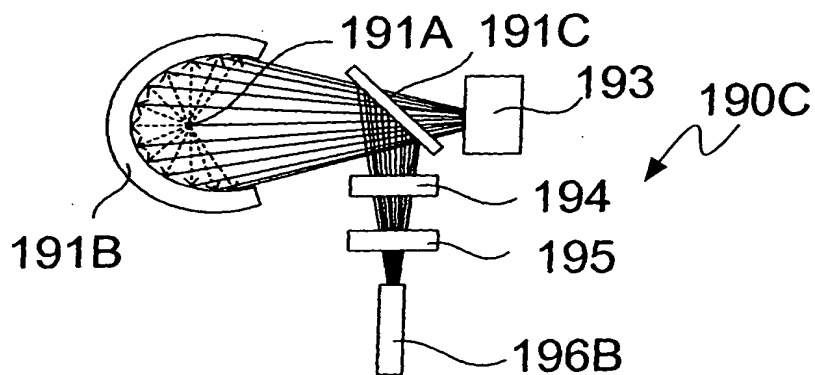


FIG. 17A



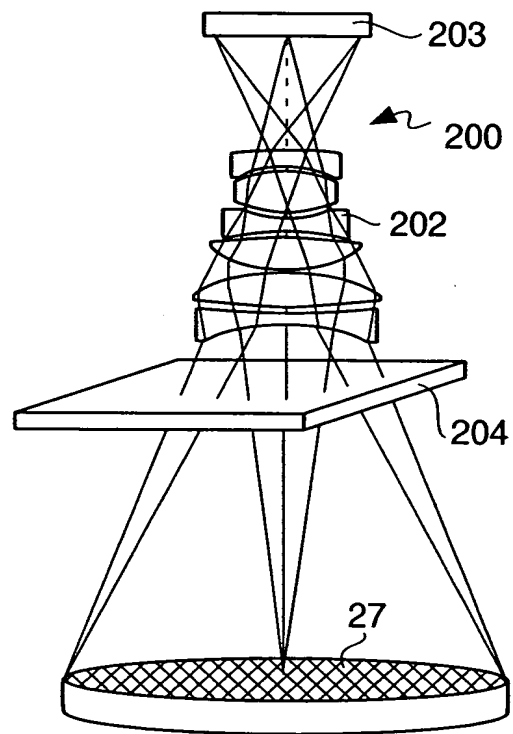


FIG. 18

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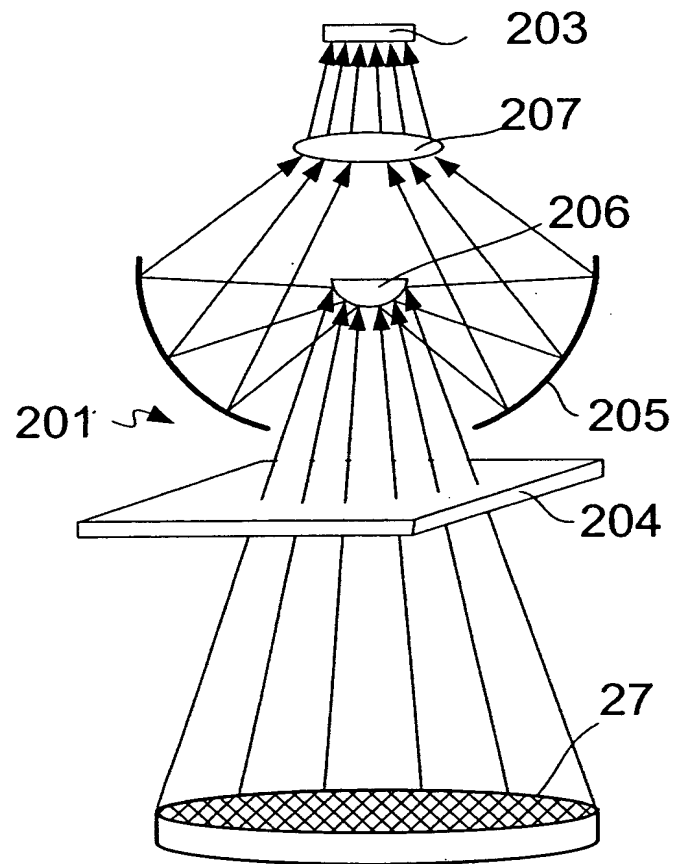


FIG. 19

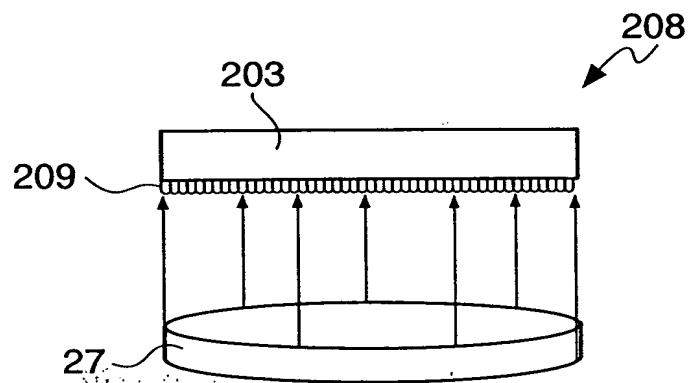


FIG. 20

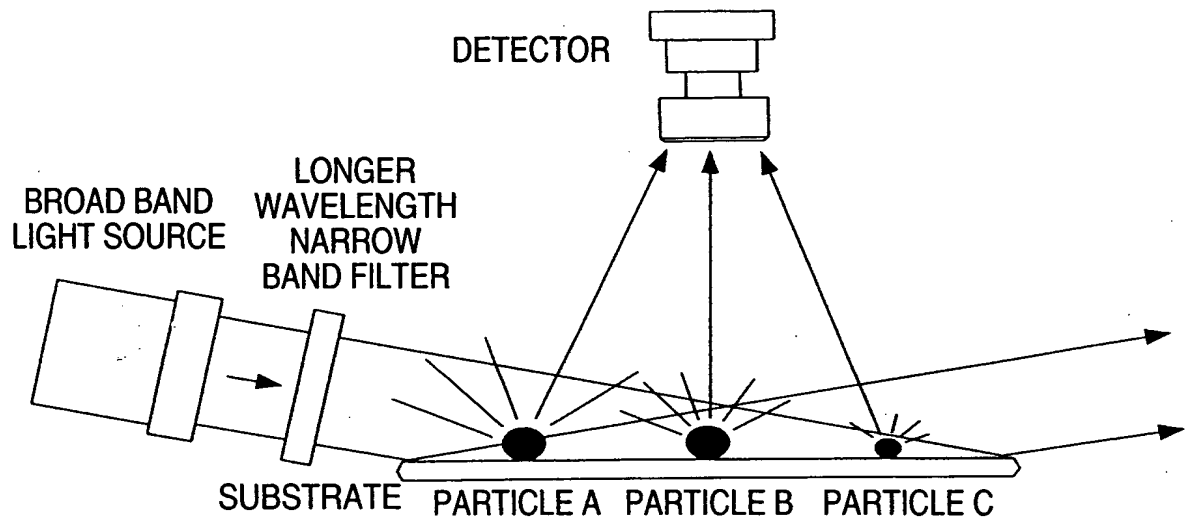


FIG. 21A

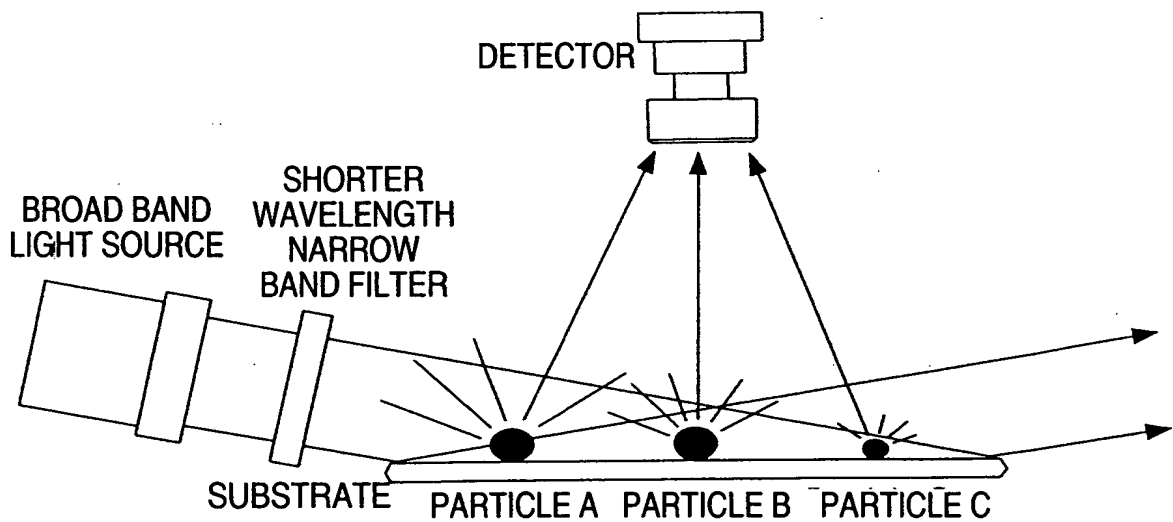


FIG. 21B

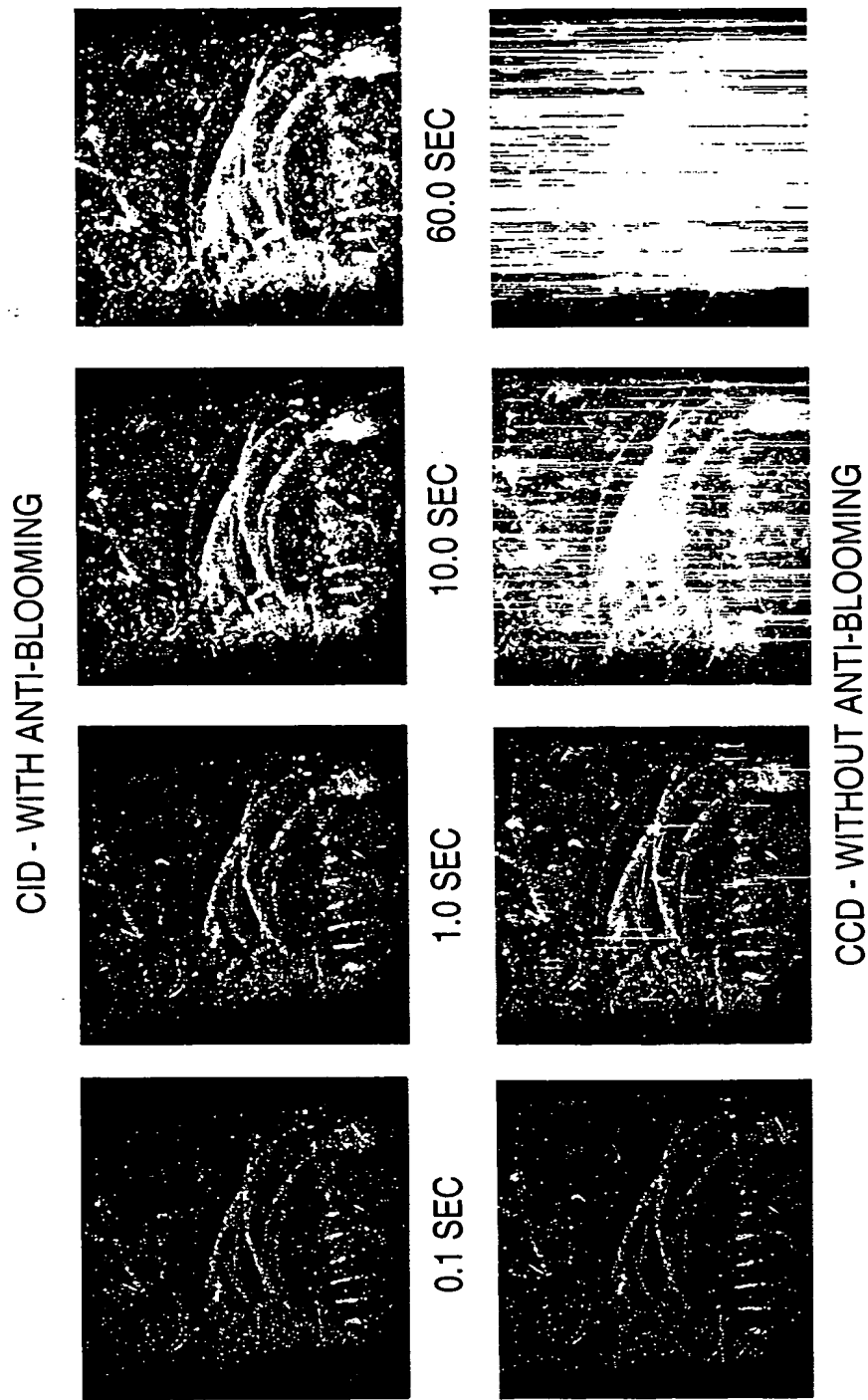


FIG. 22

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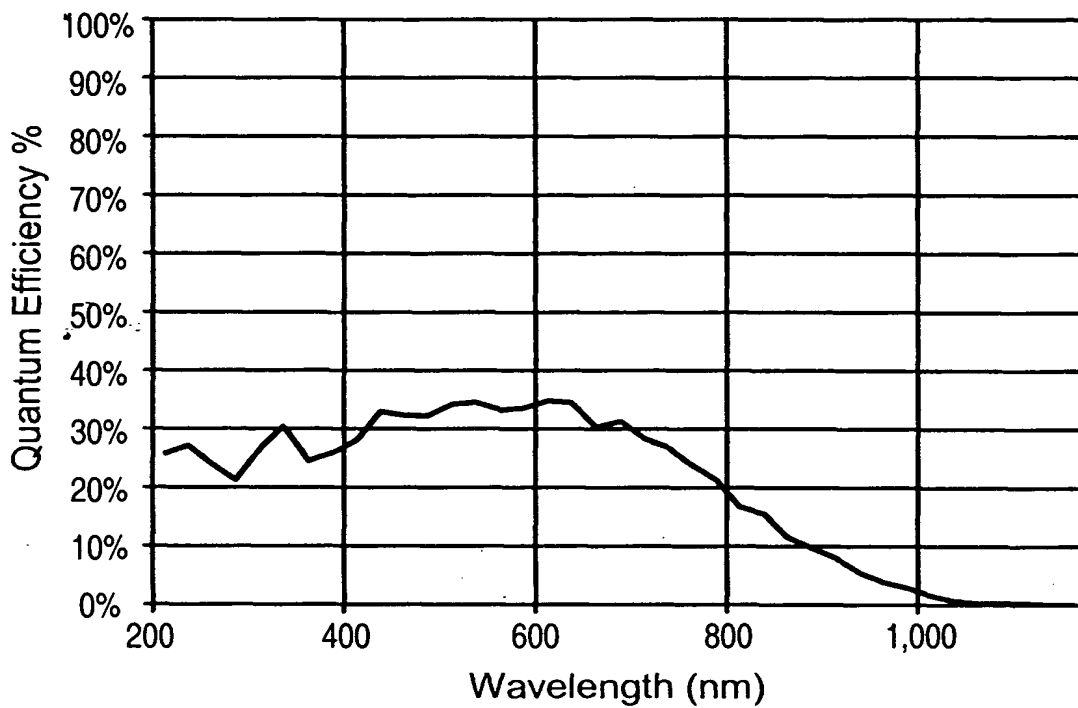


FIG. 22A

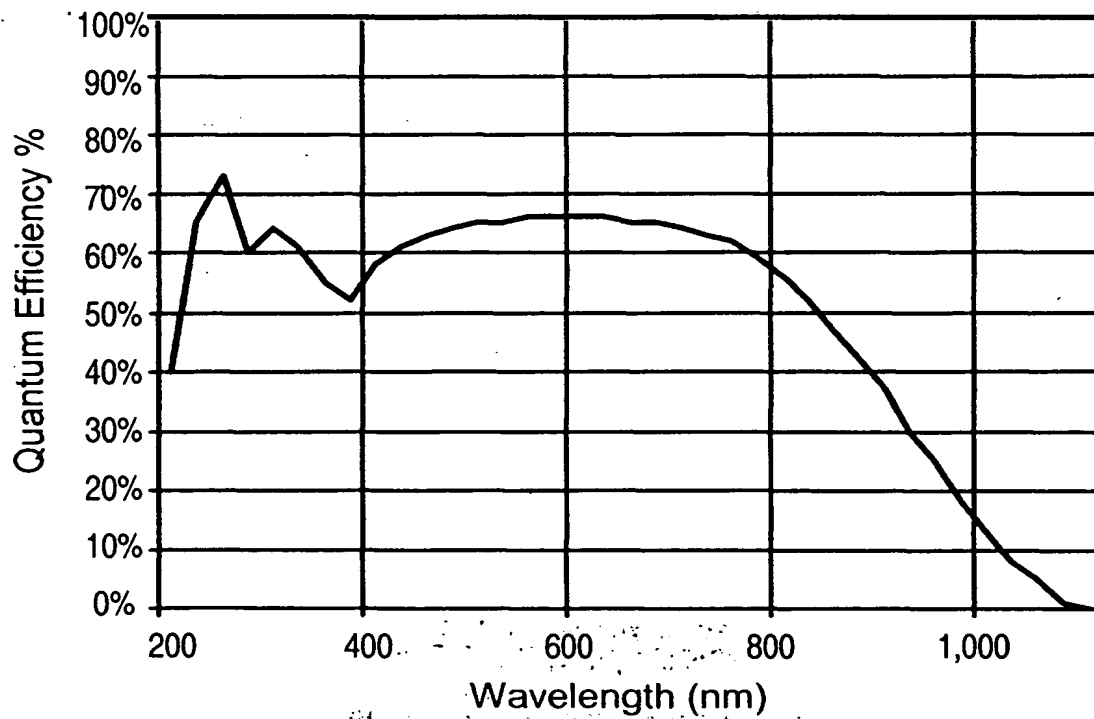


FIG. 22B

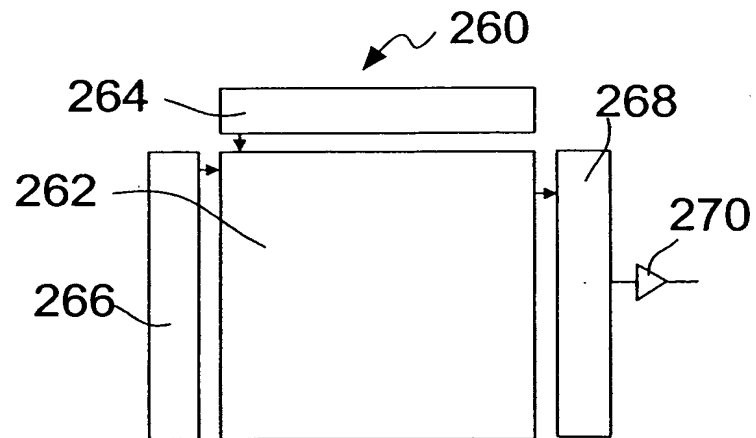


FIG. 23B1

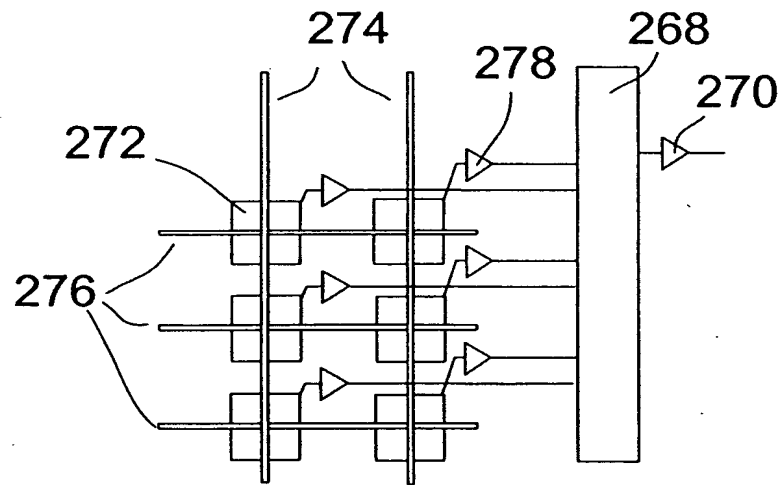


FIG. 23B2

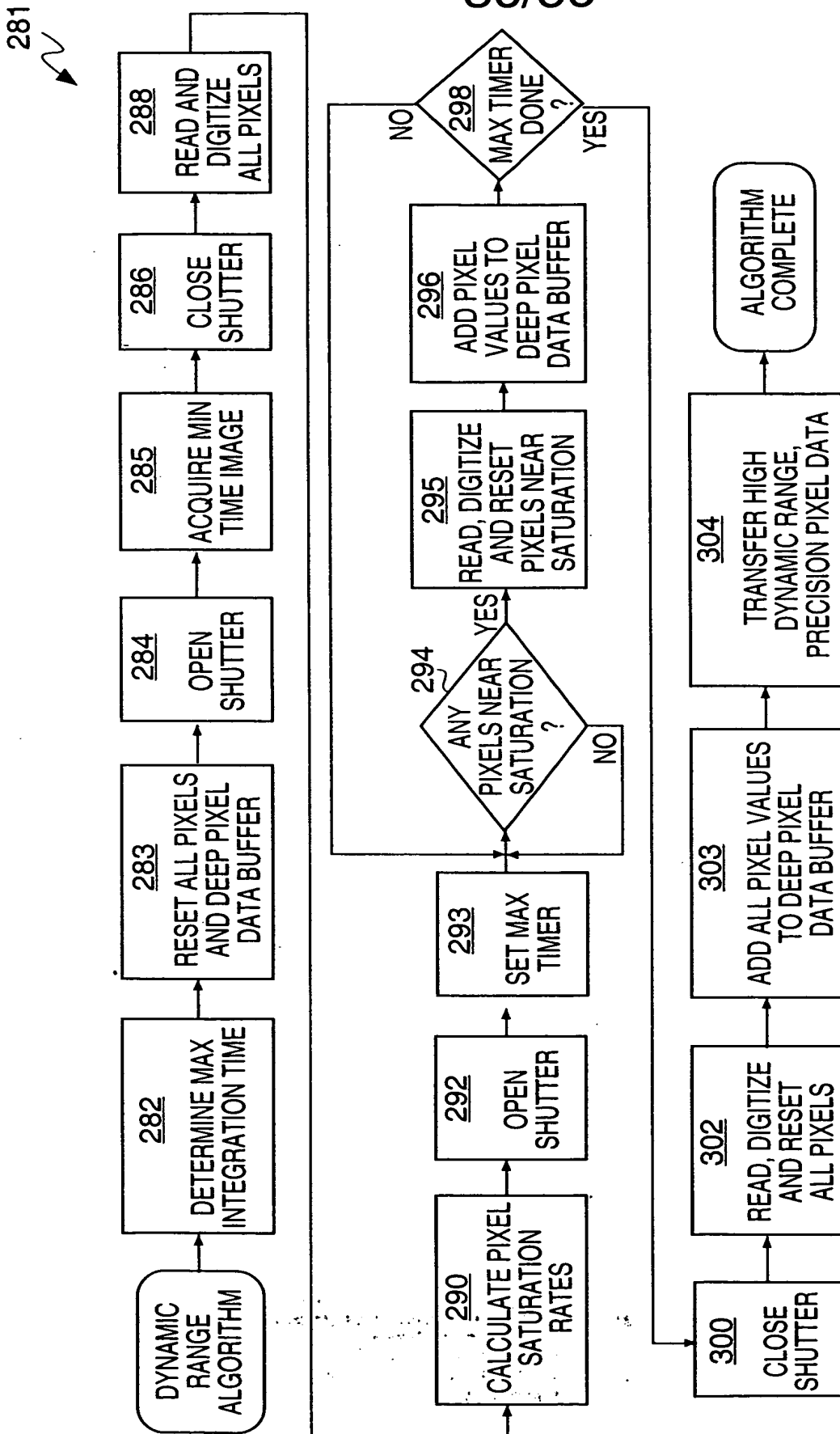


FIG. 24

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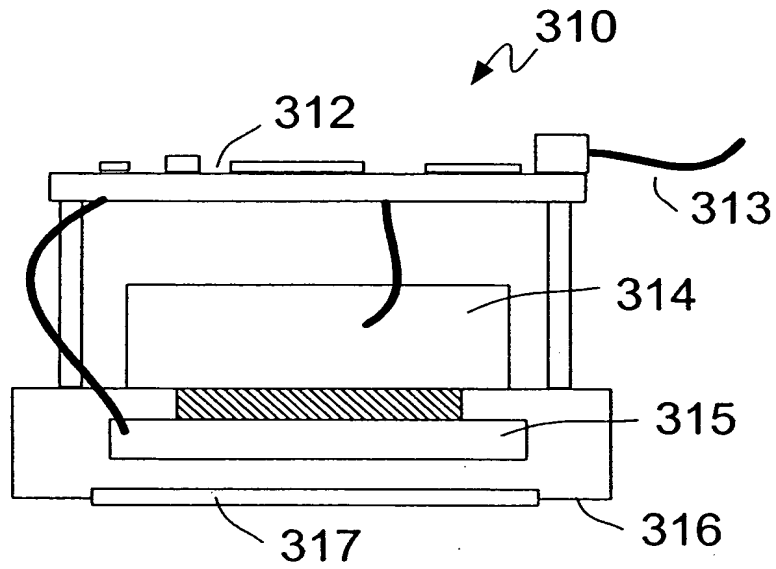


FIG. 25

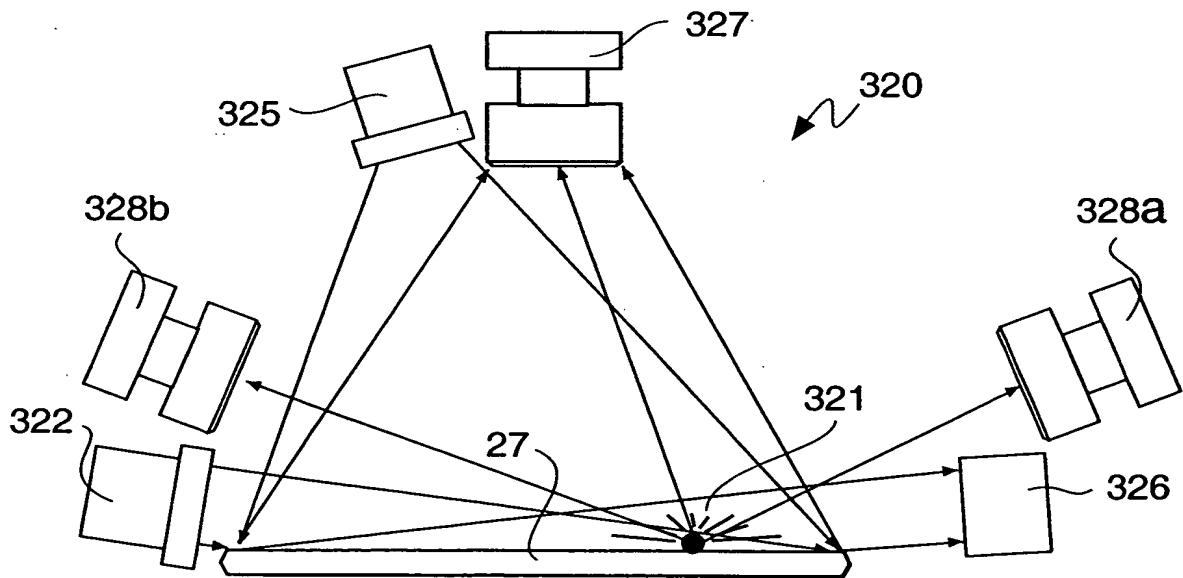


FIG. 26A



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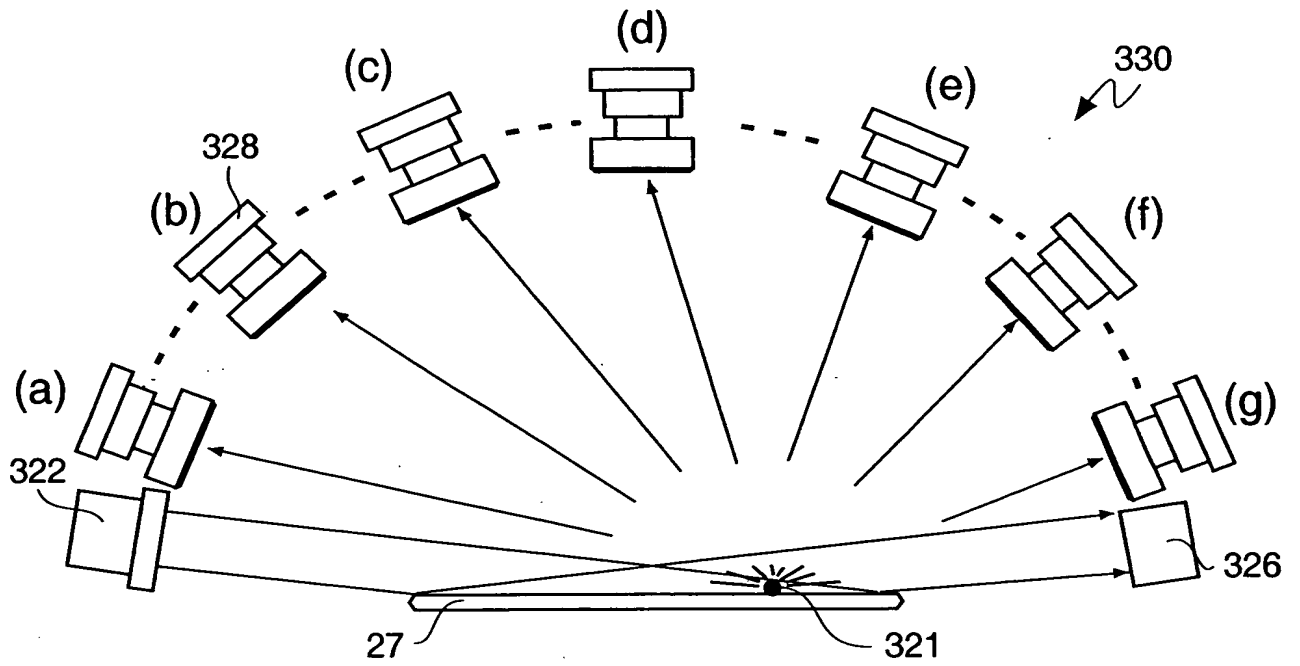


FIG. 26B

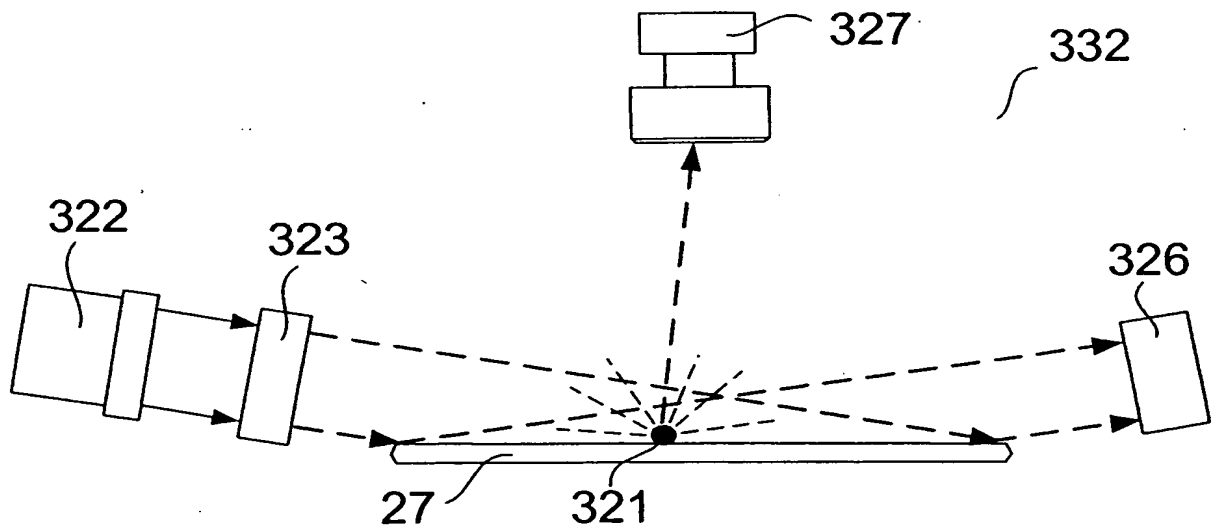


FIG. 26C

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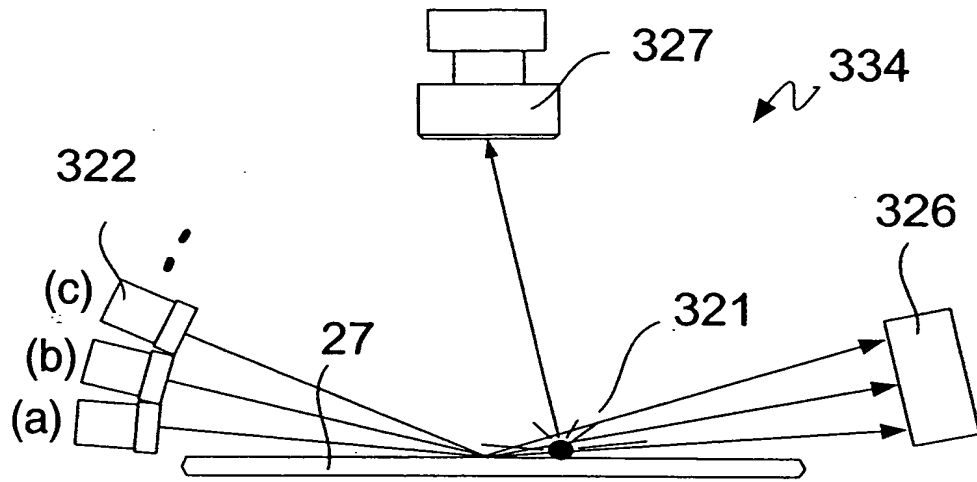


FIG. 26D

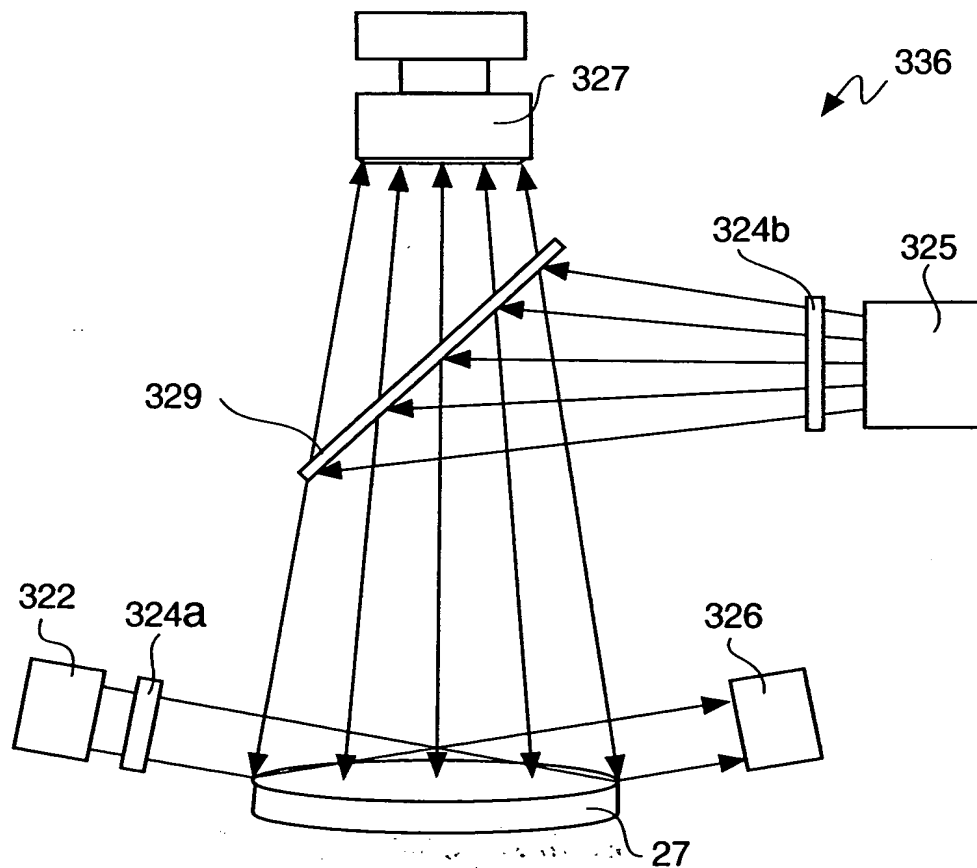


FIG. 26E

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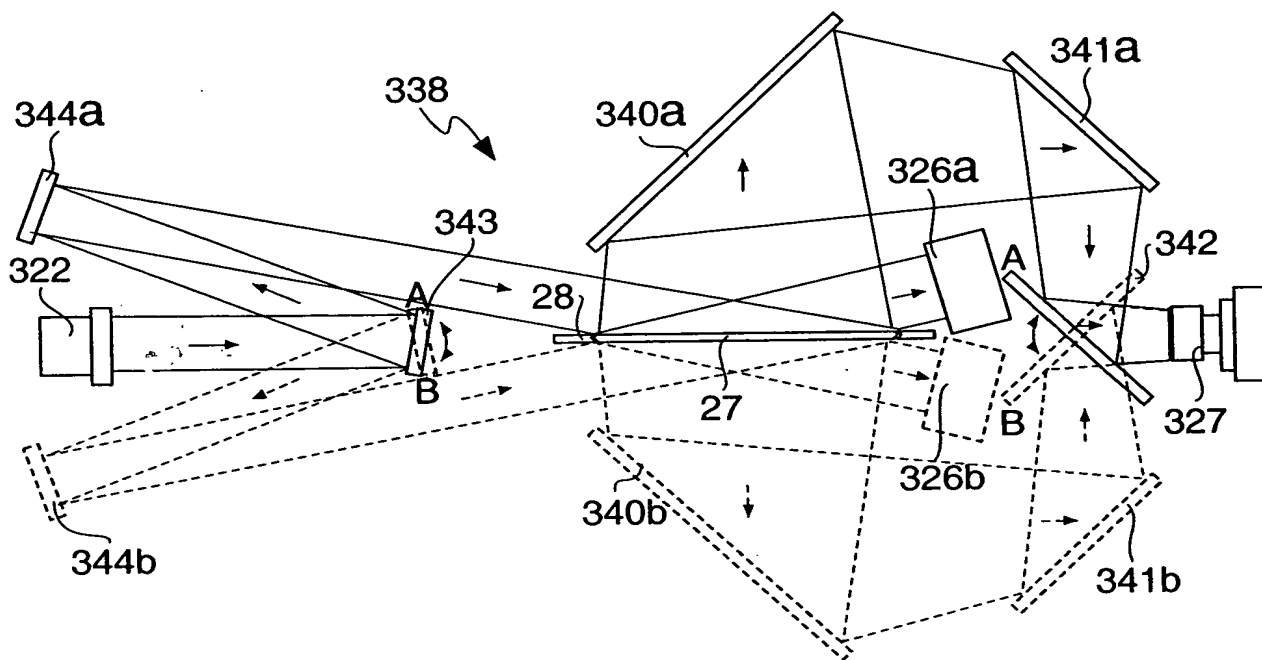


FIG. 26F

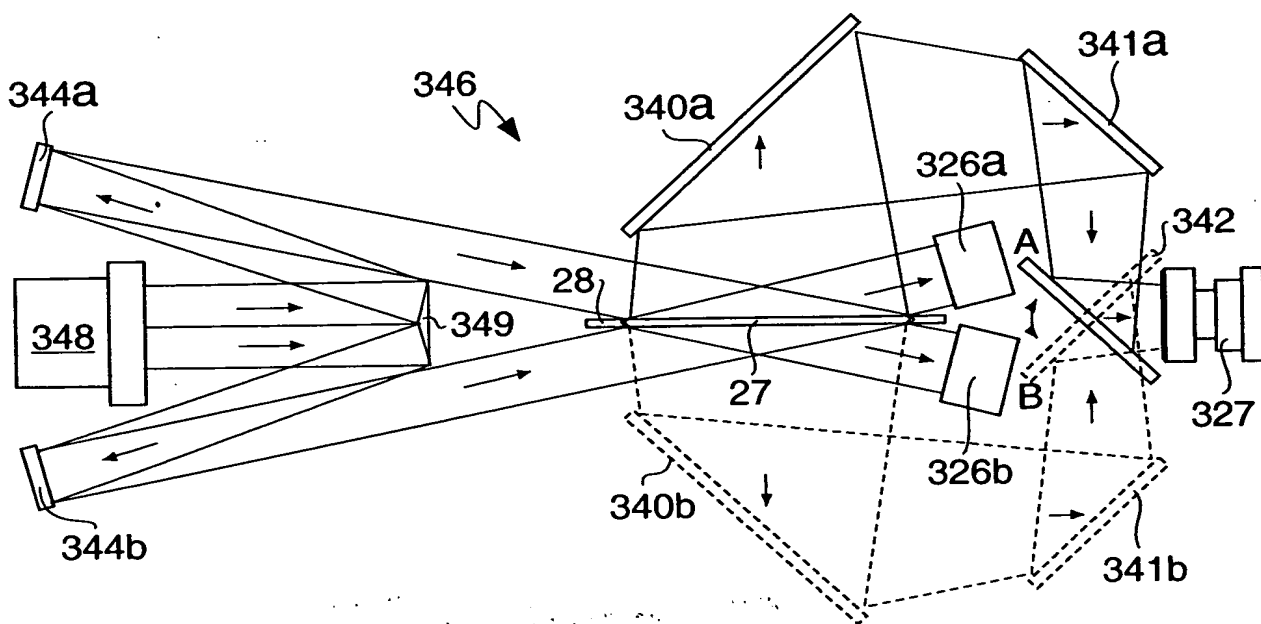


FIG. 26G

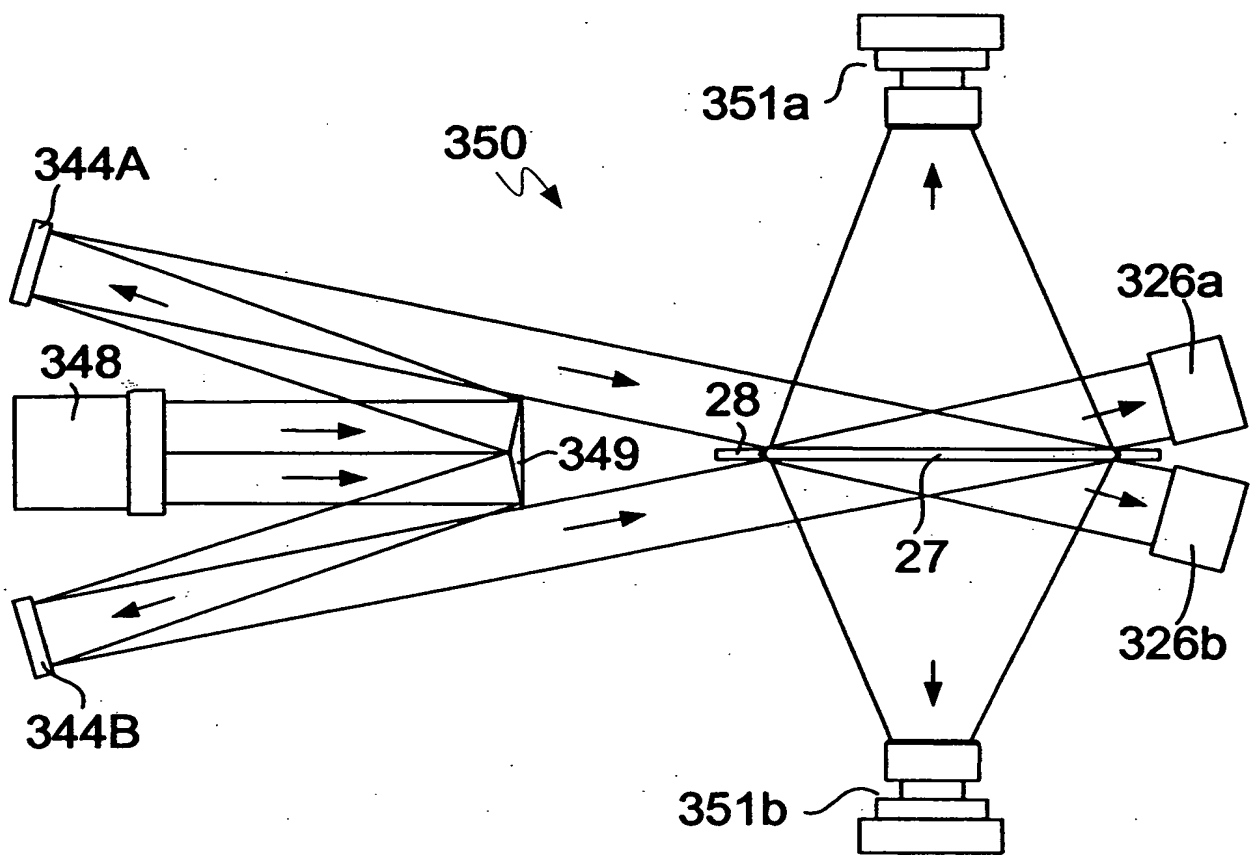


FIG. 26H

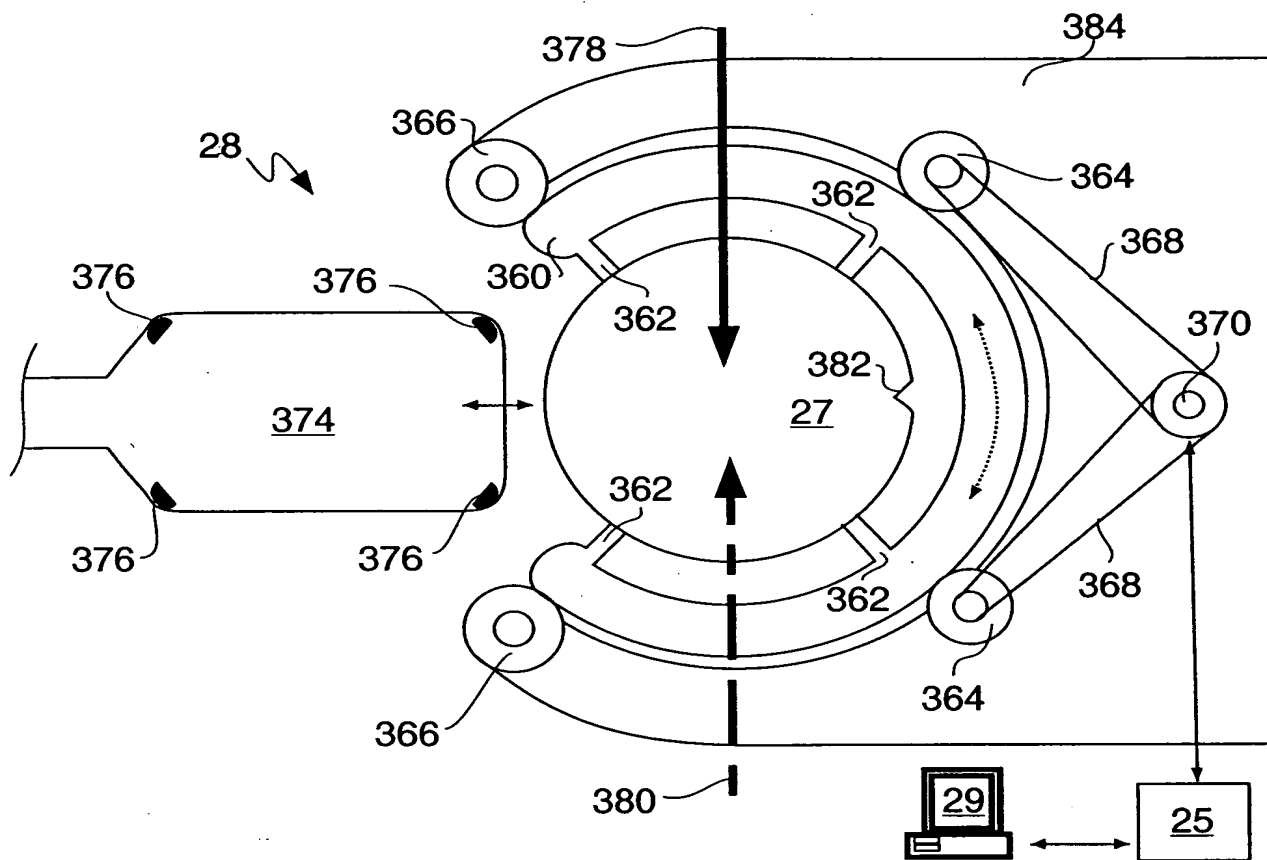


FIG. 27A

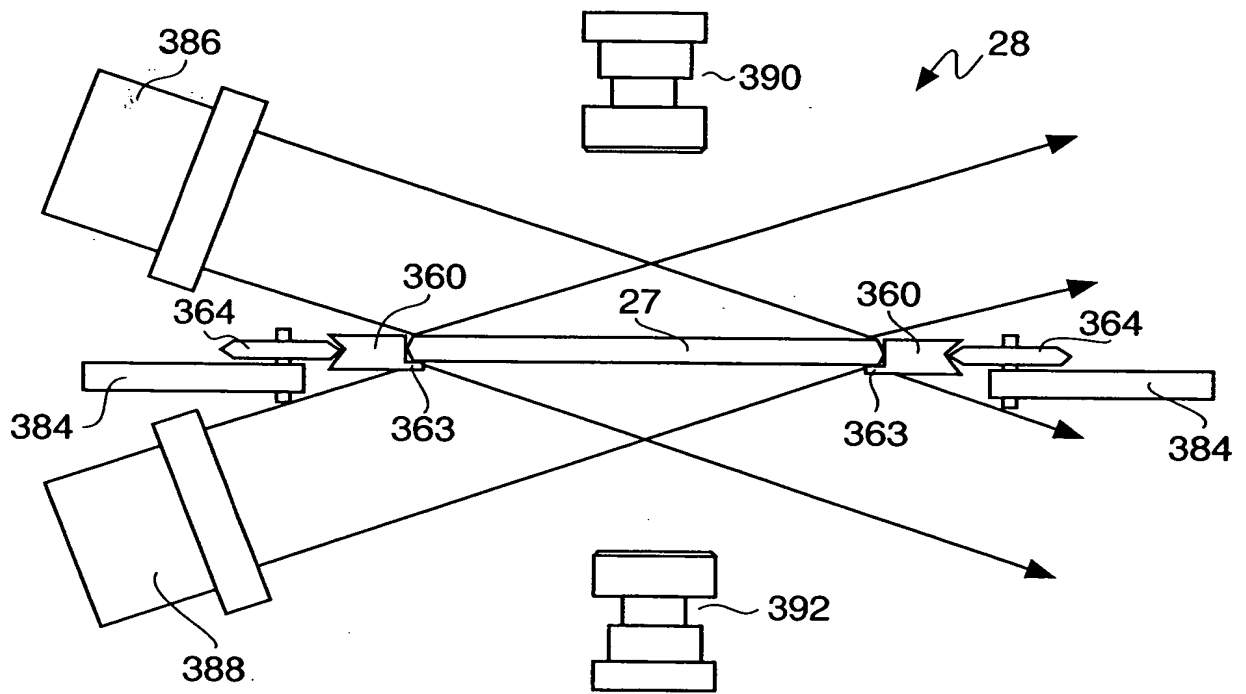


FIG. 27B

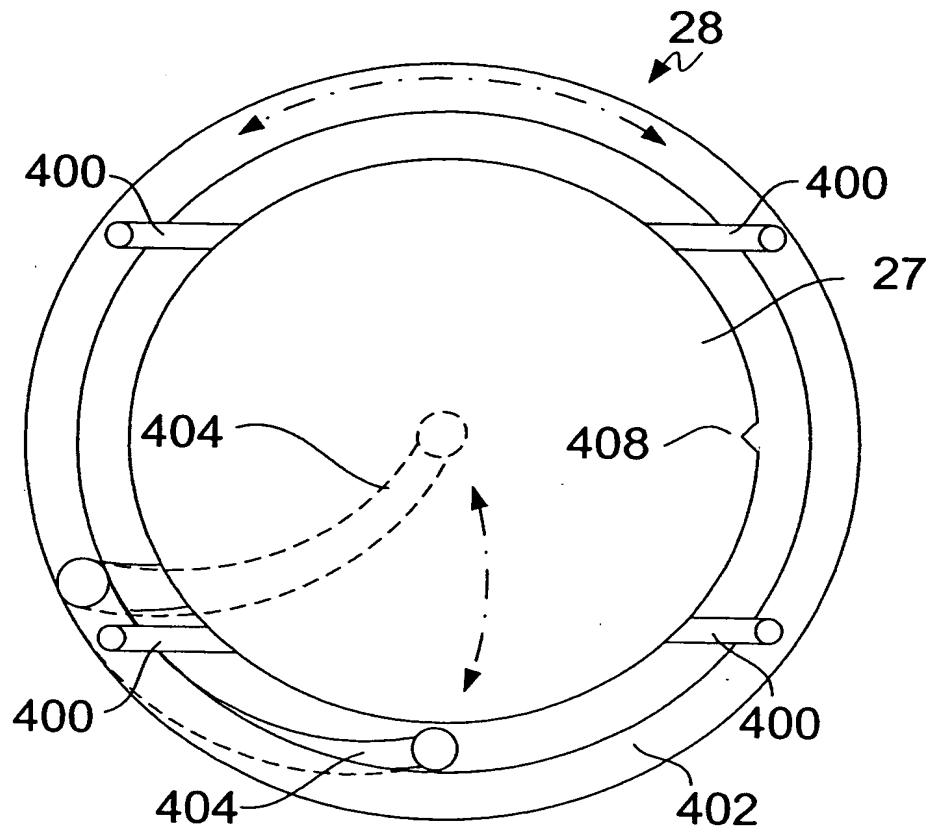


FIG. 28A

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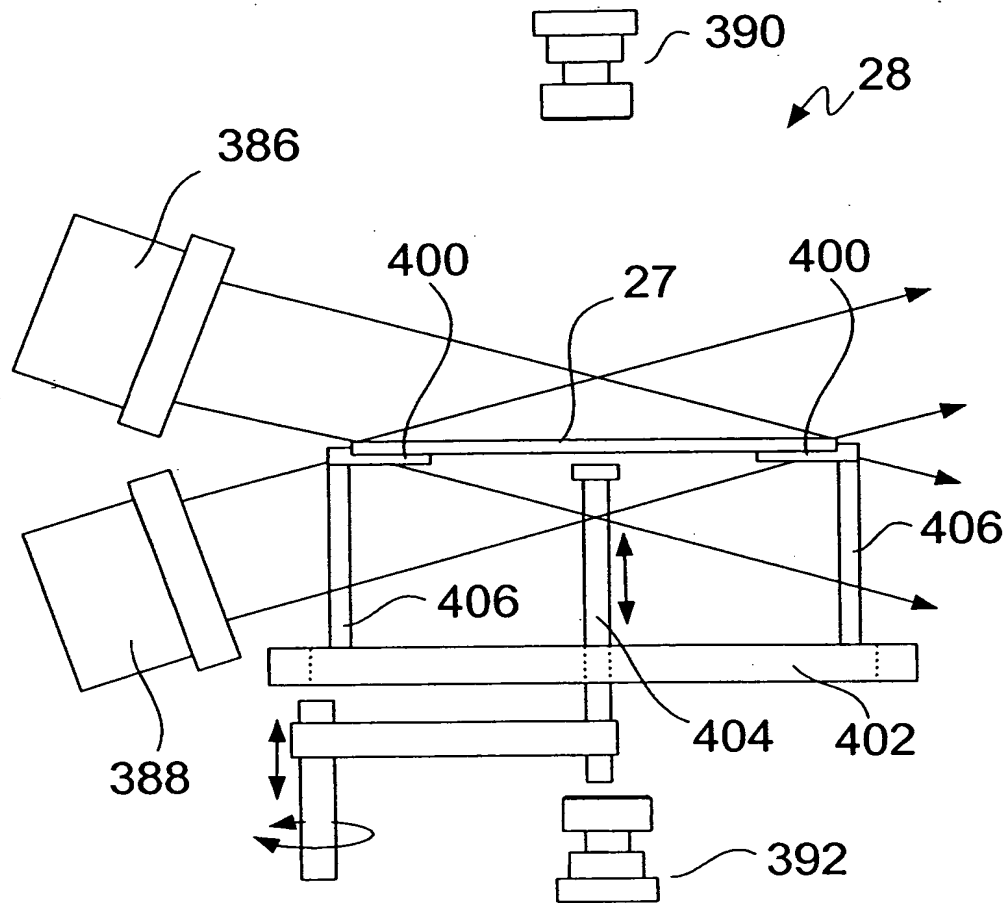


FIG. 28B

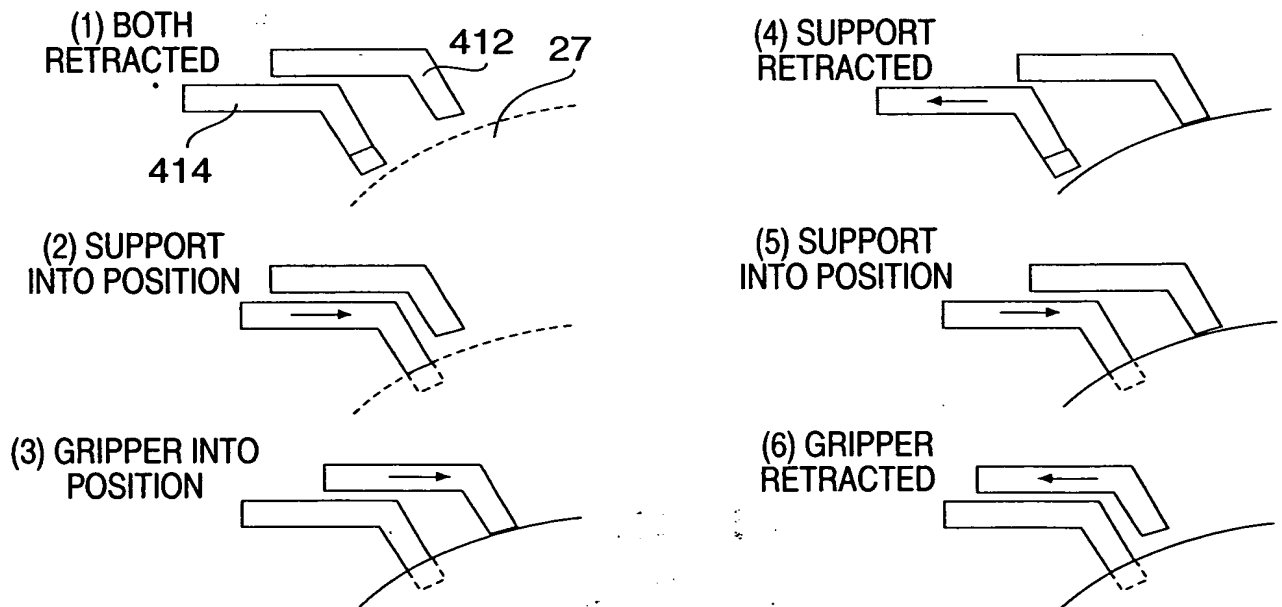


FIG. 28C



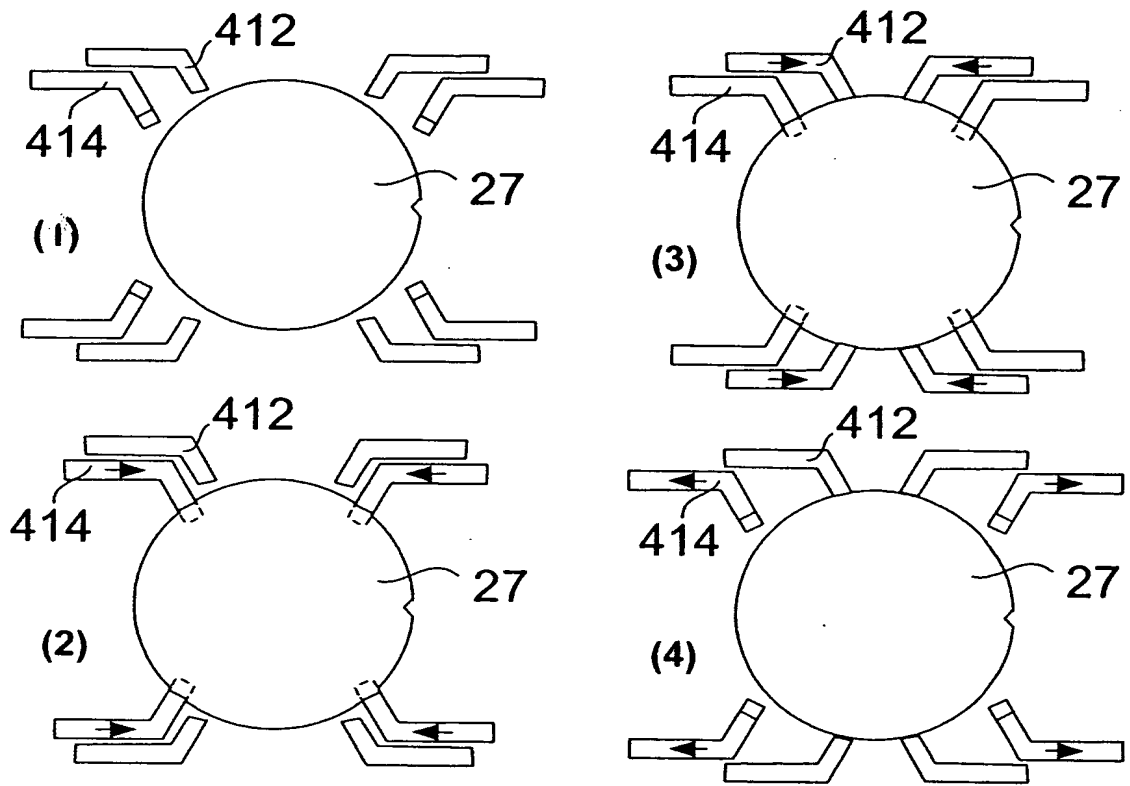


FIG. 28D

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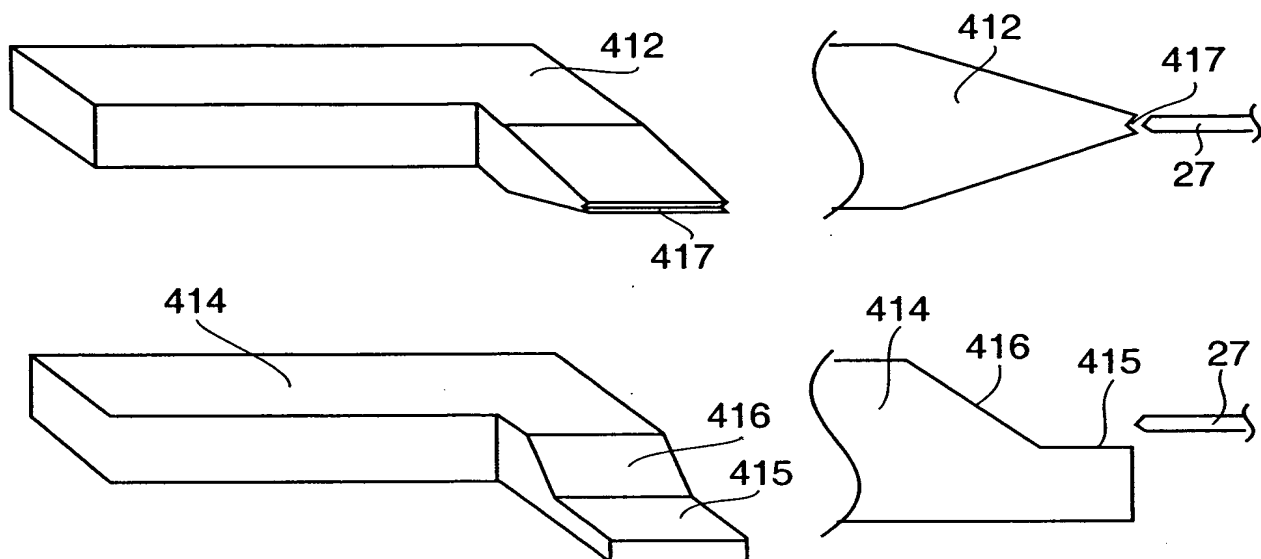


FIG. 28E

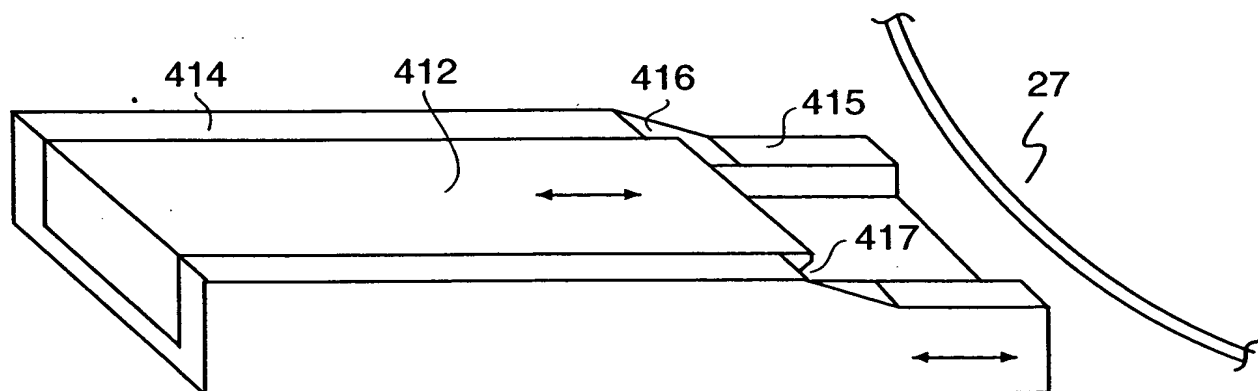


FIG. 28F

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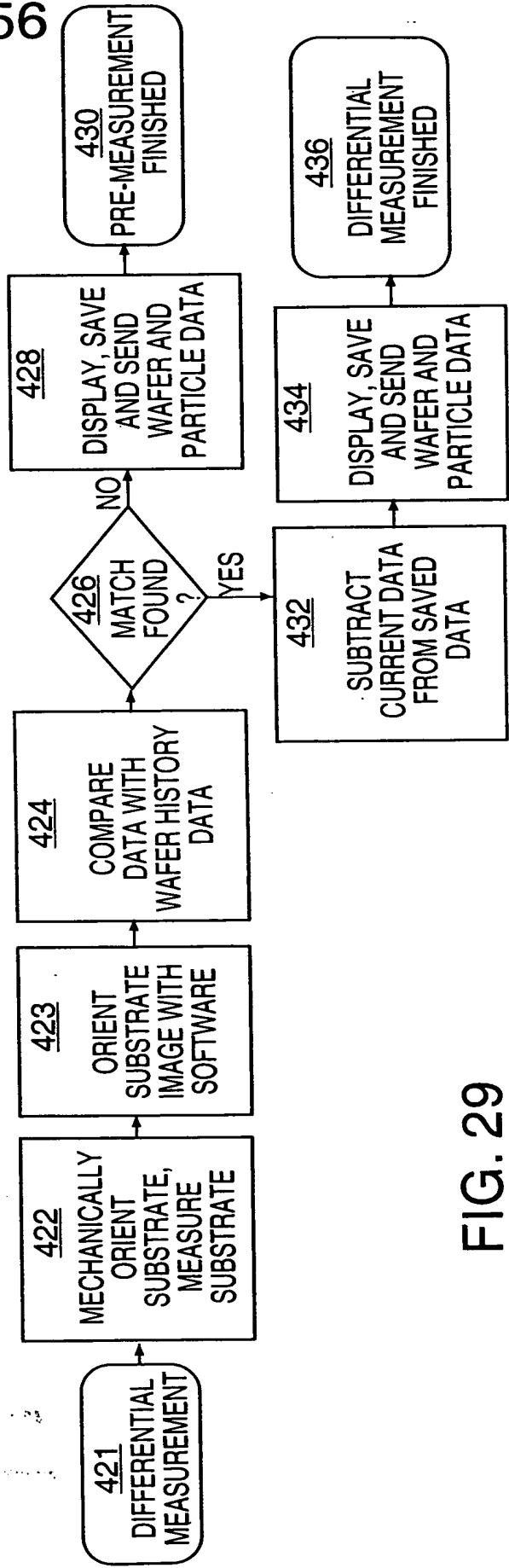


FIG. 29

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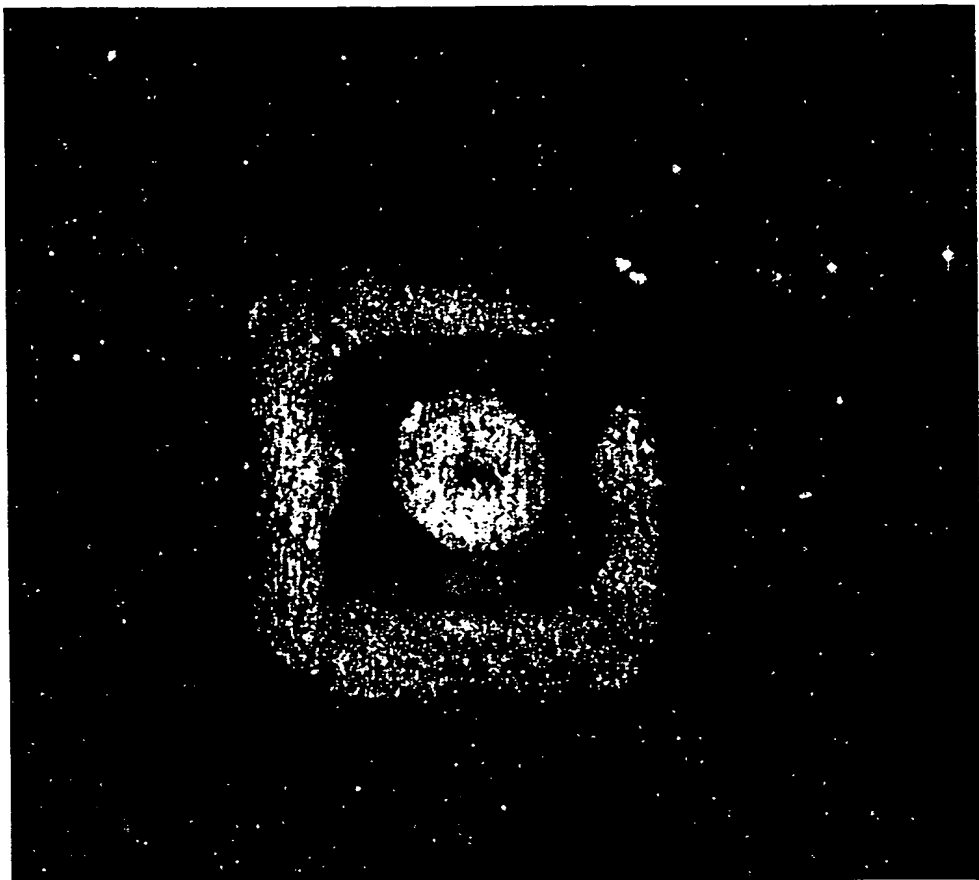
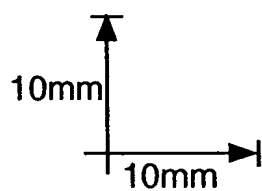


FIG. 30

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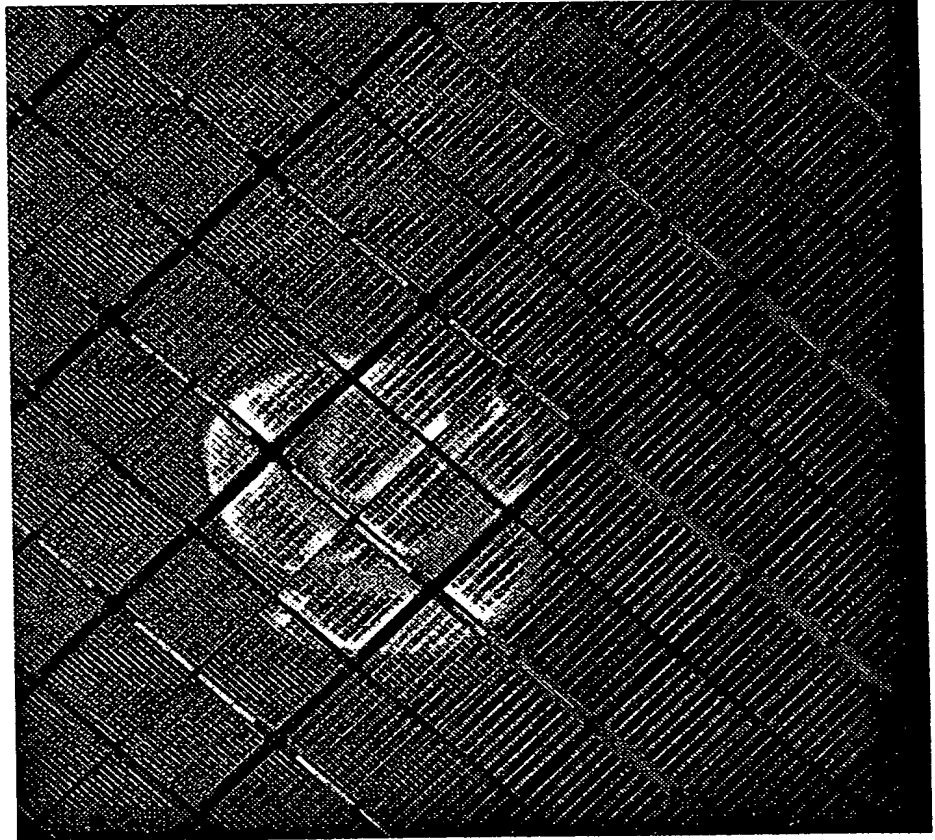
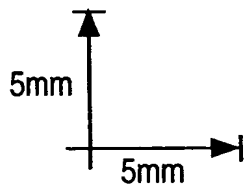


FIG. 31

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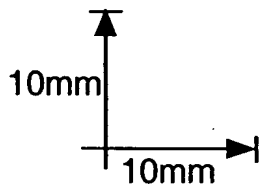


FIG. 32

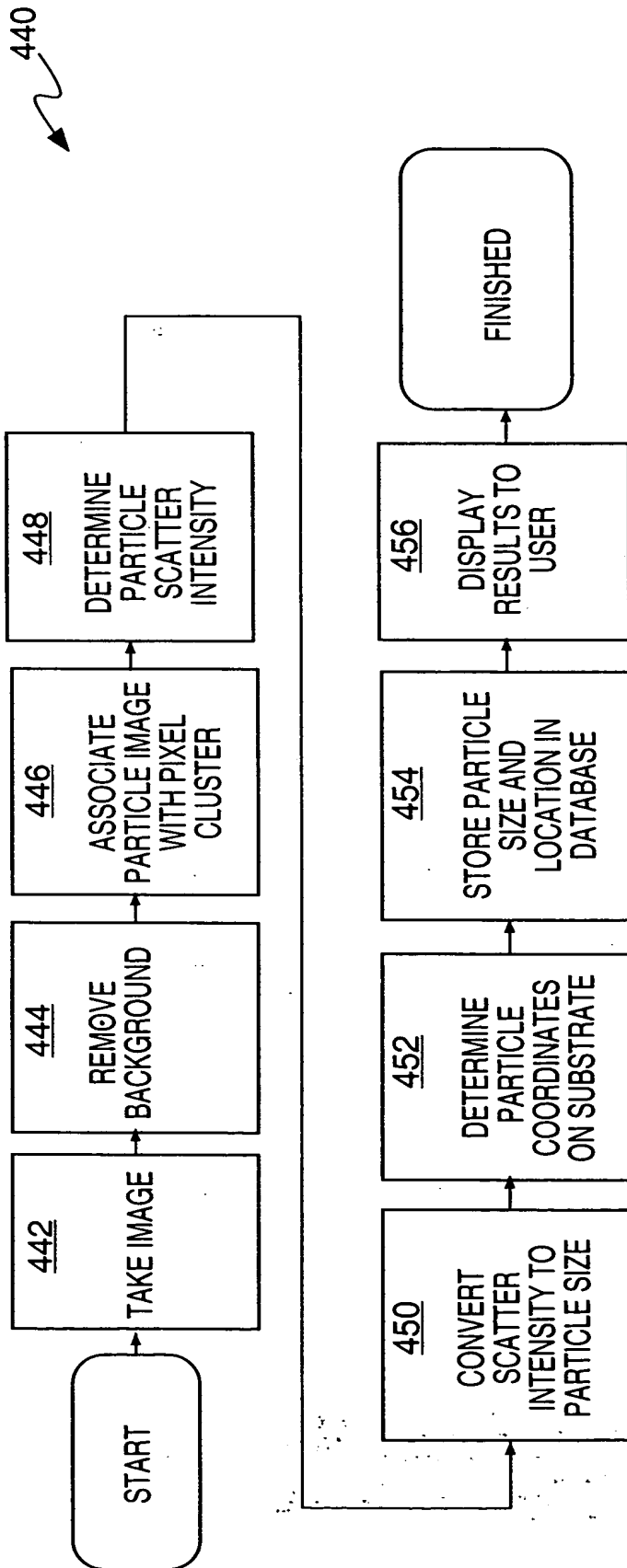


FIG. 33

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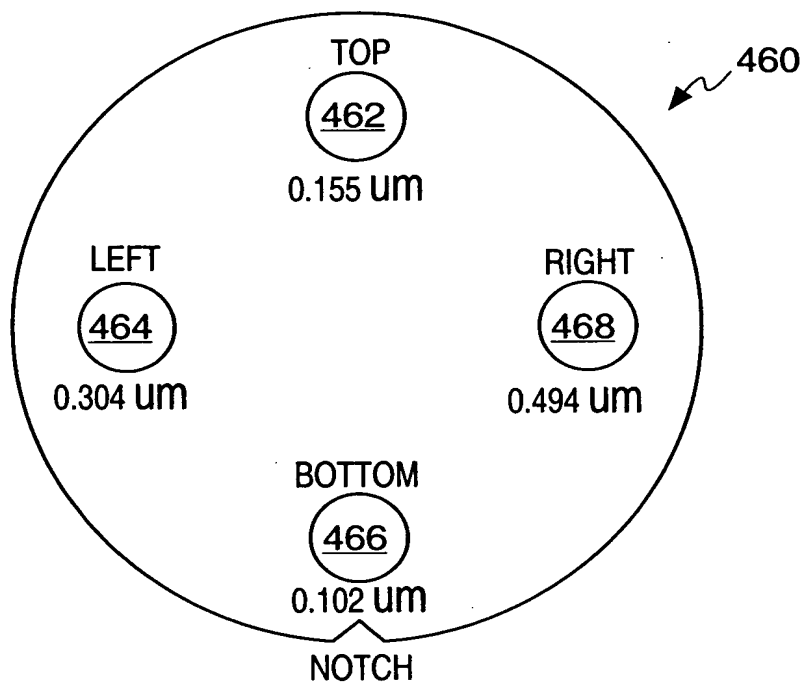


FIG. 34

WAFER  
MAPPING  
COORDINATES

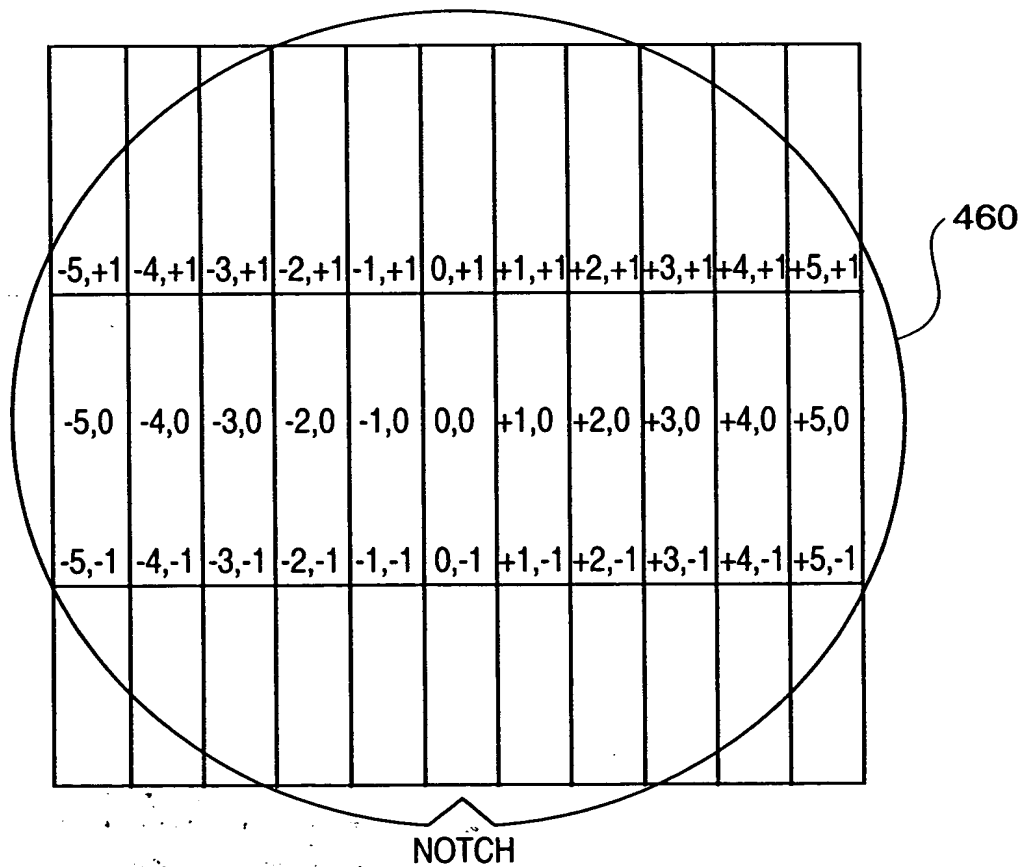
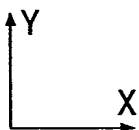


FIG. 35



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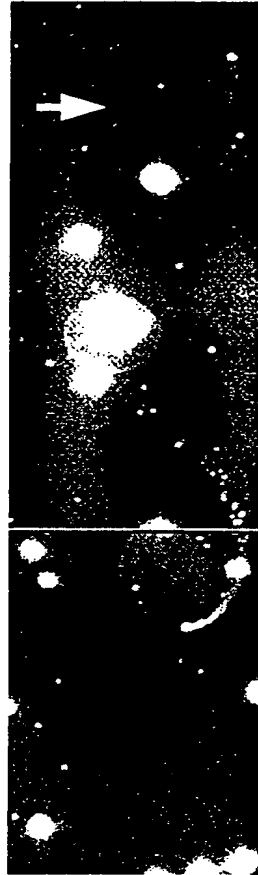


FIG. 36

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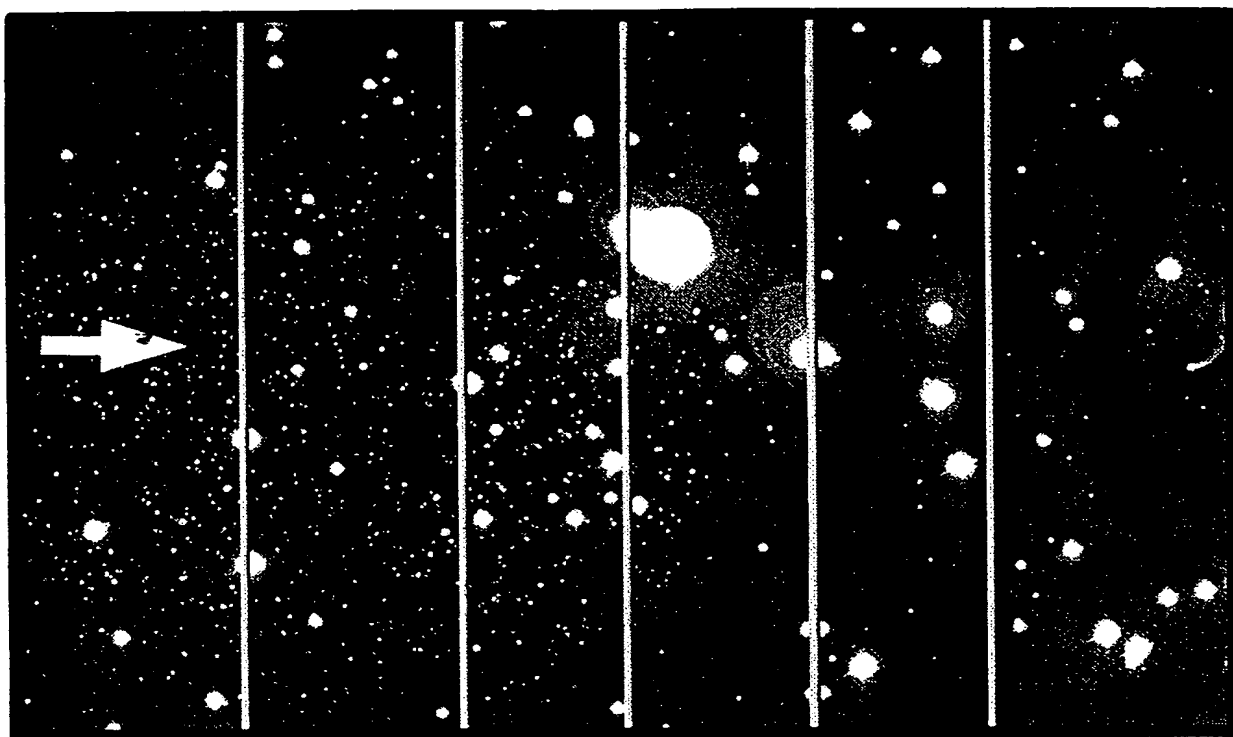


FIG. 37

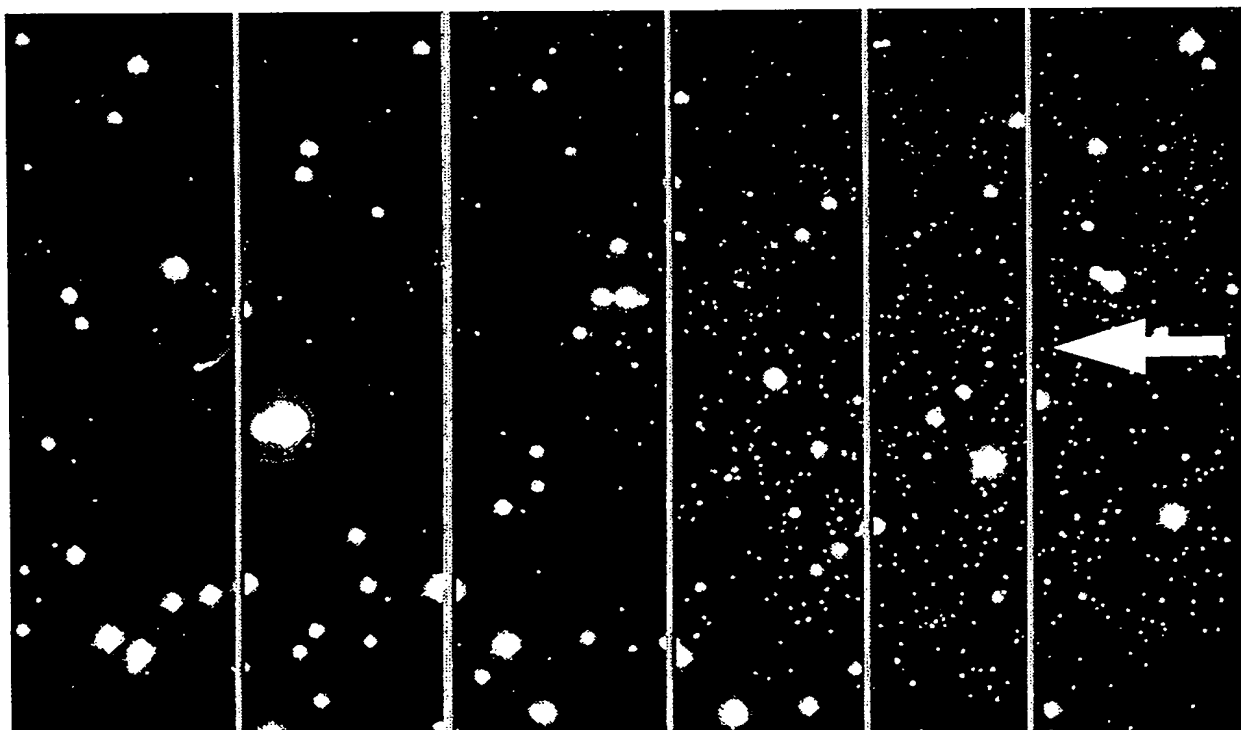


FIG. 38

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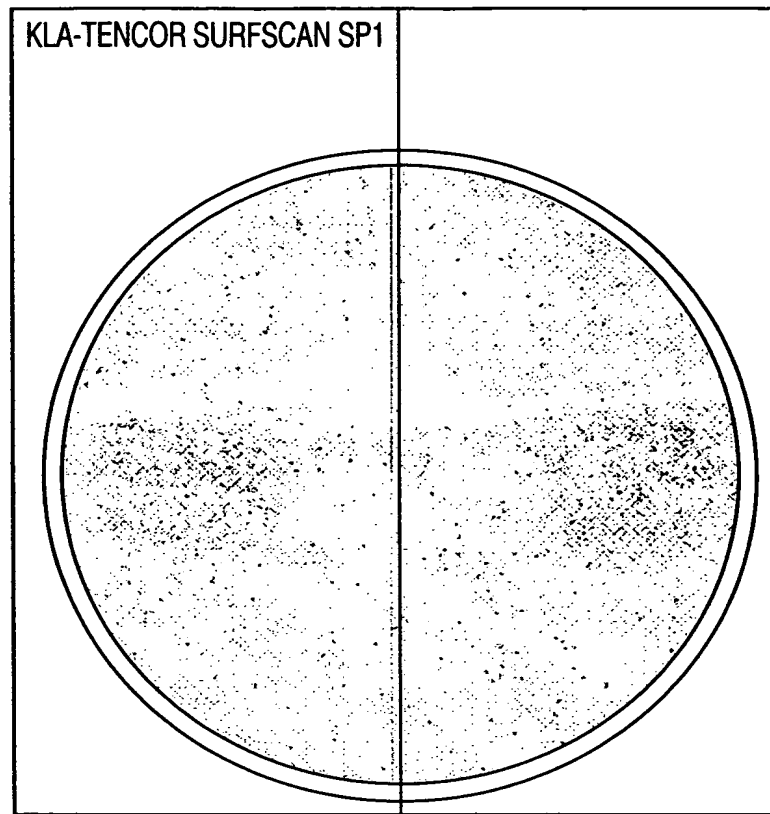


FIG. 39

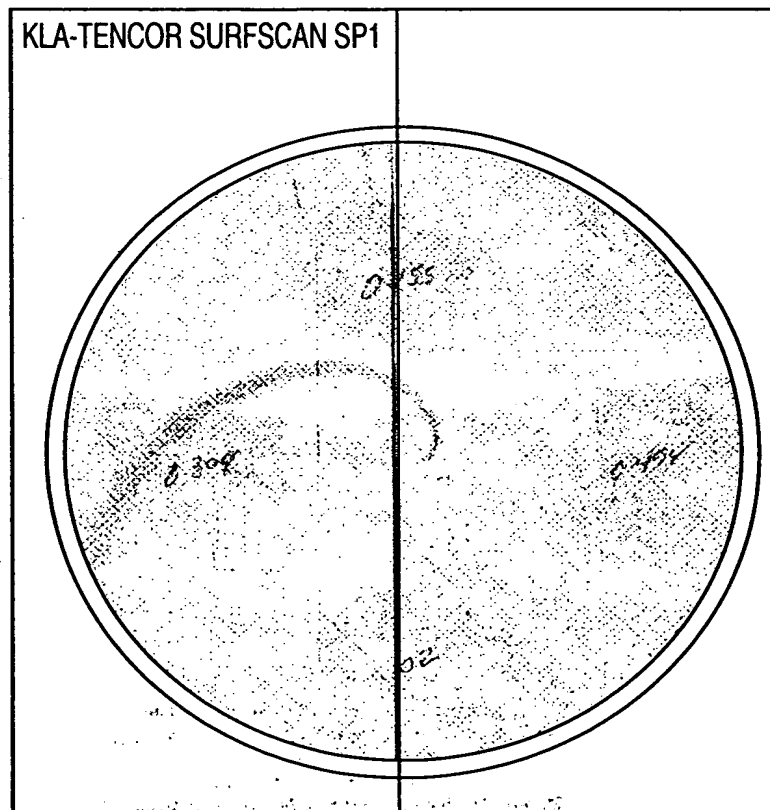


FIG. 40

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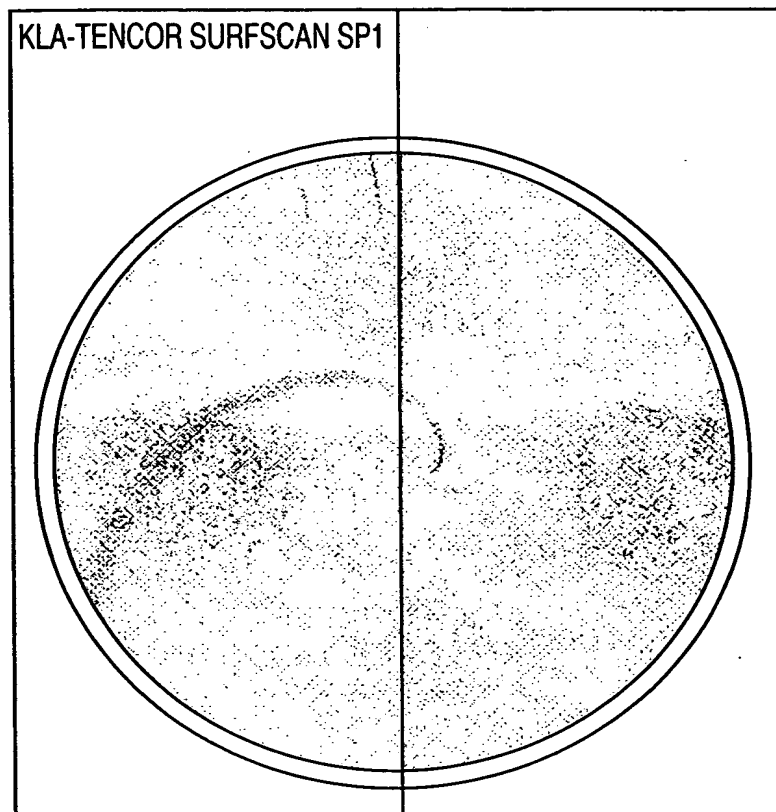


FIG. 41

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KLA-TENCOR SURFSCAN SP1

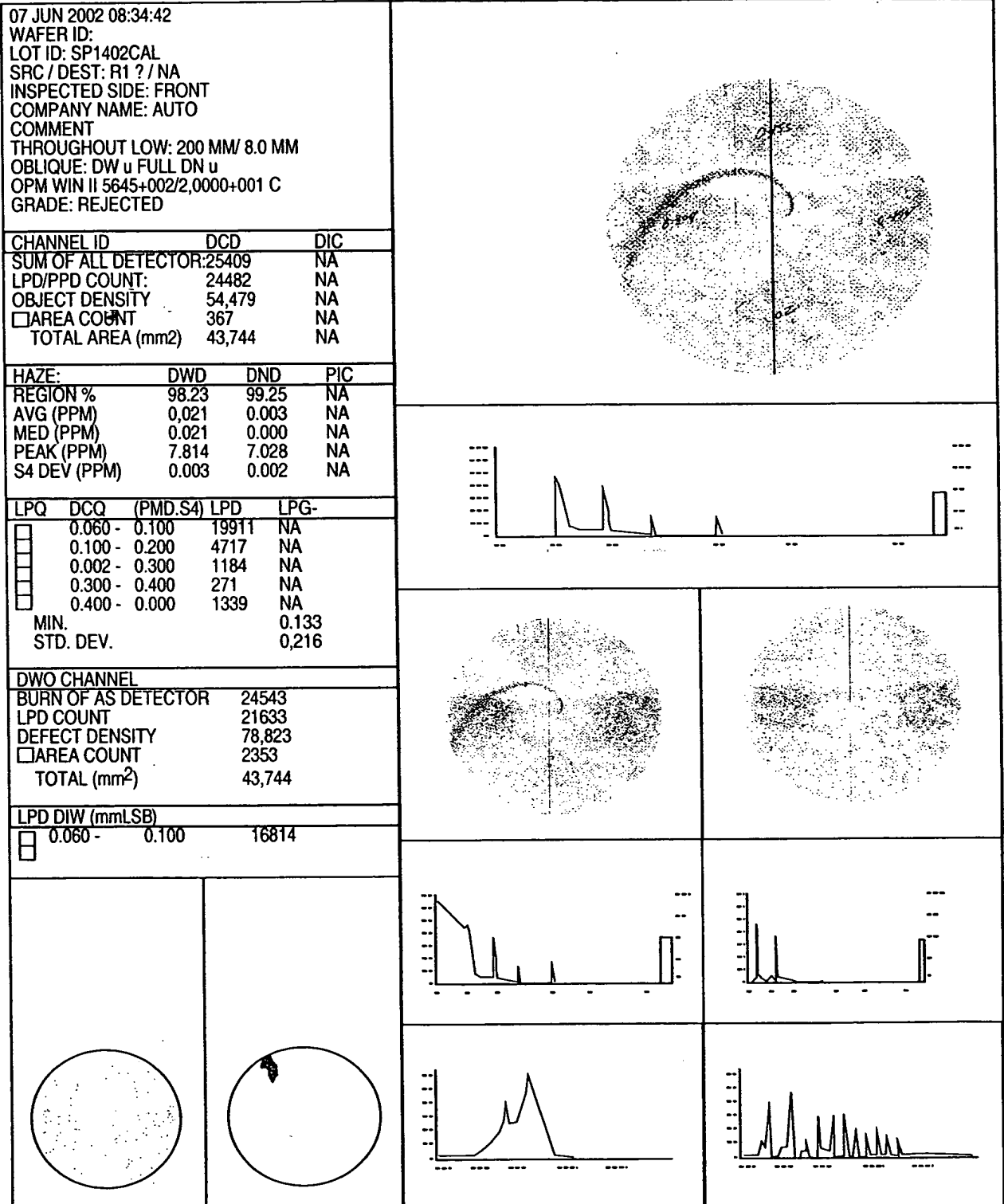


FIG. 42

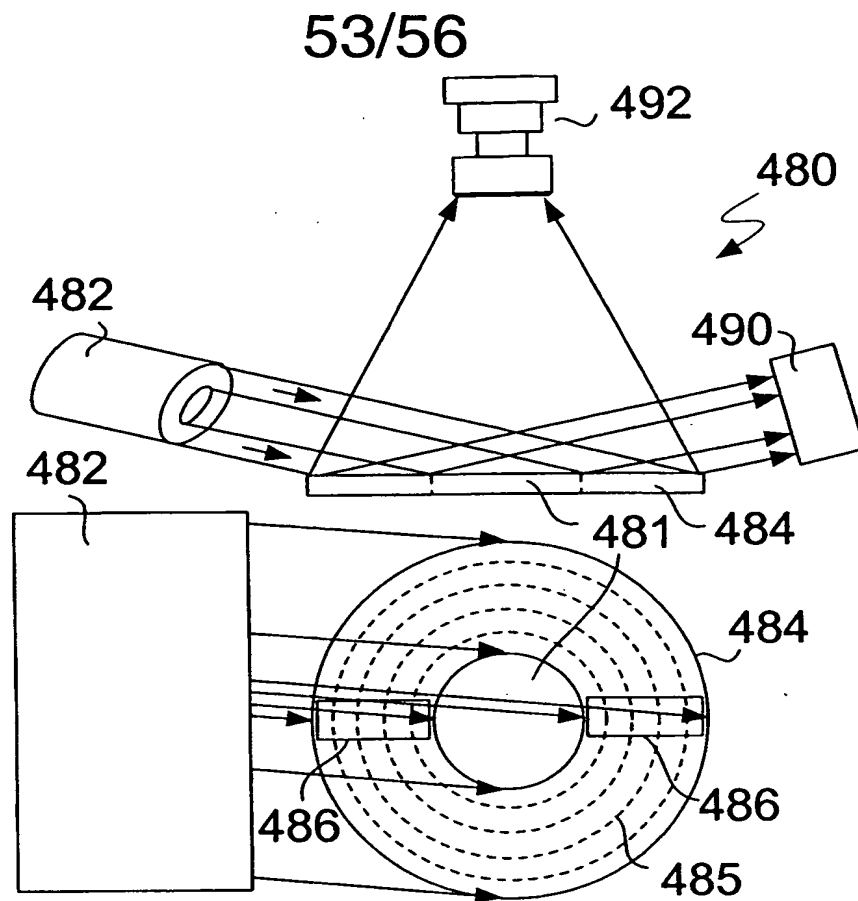


FIG. 43

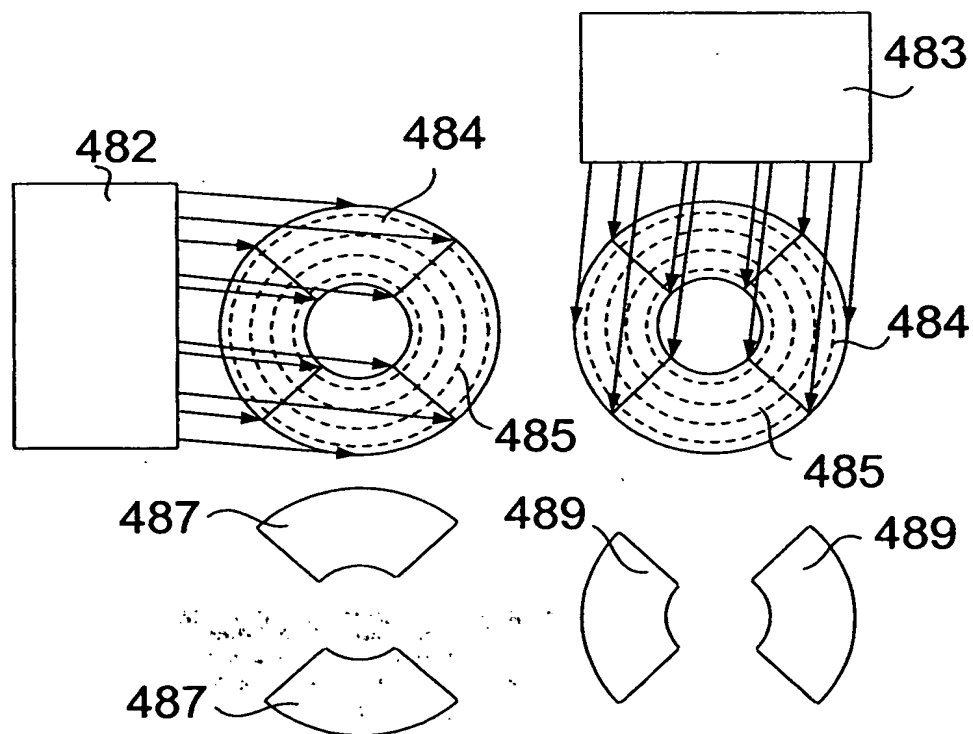


FIG. 44

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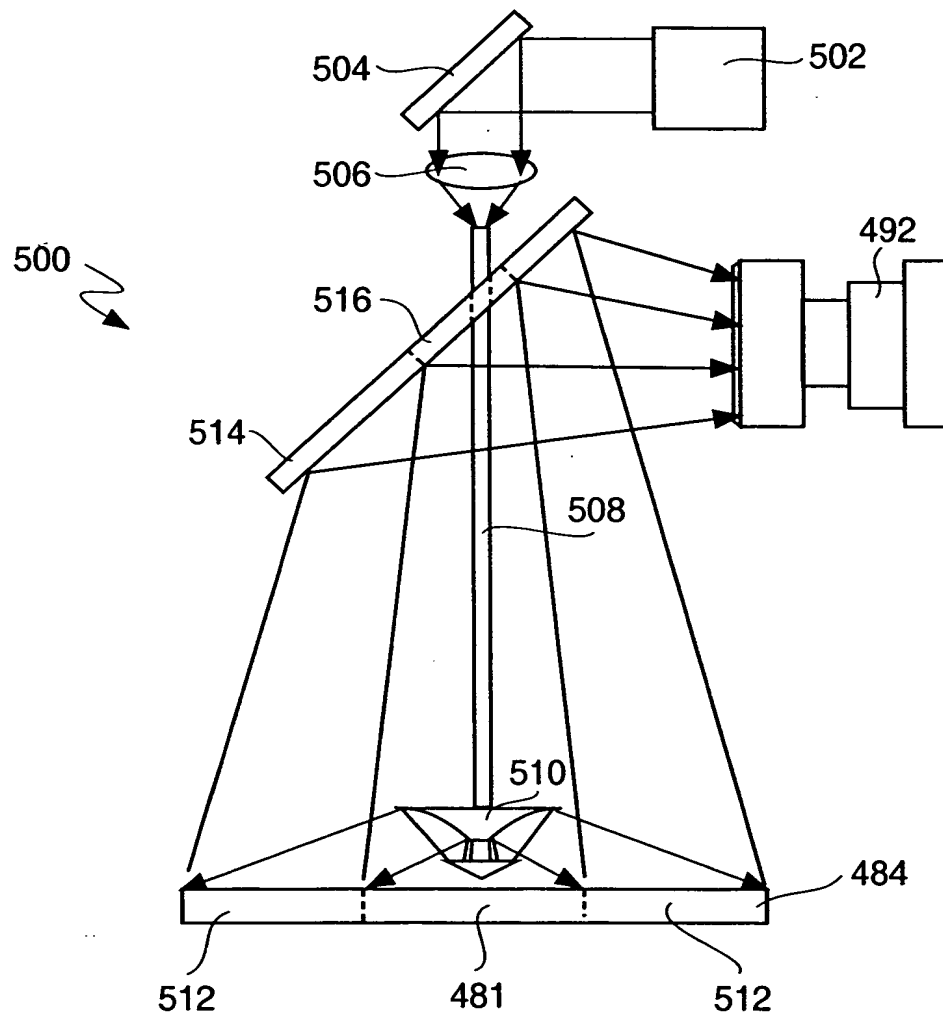
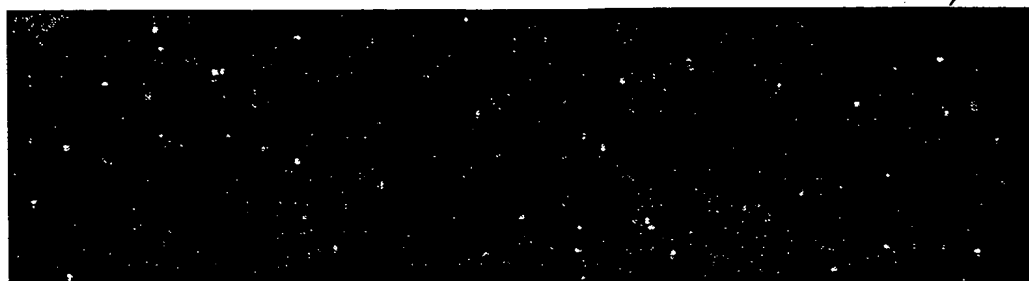


FIG. 45

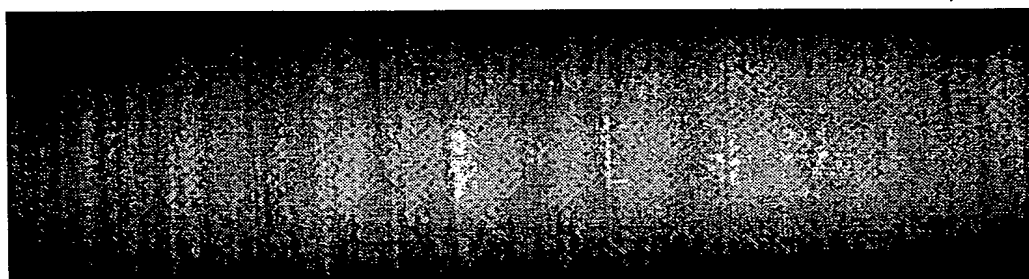
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520



1 mm

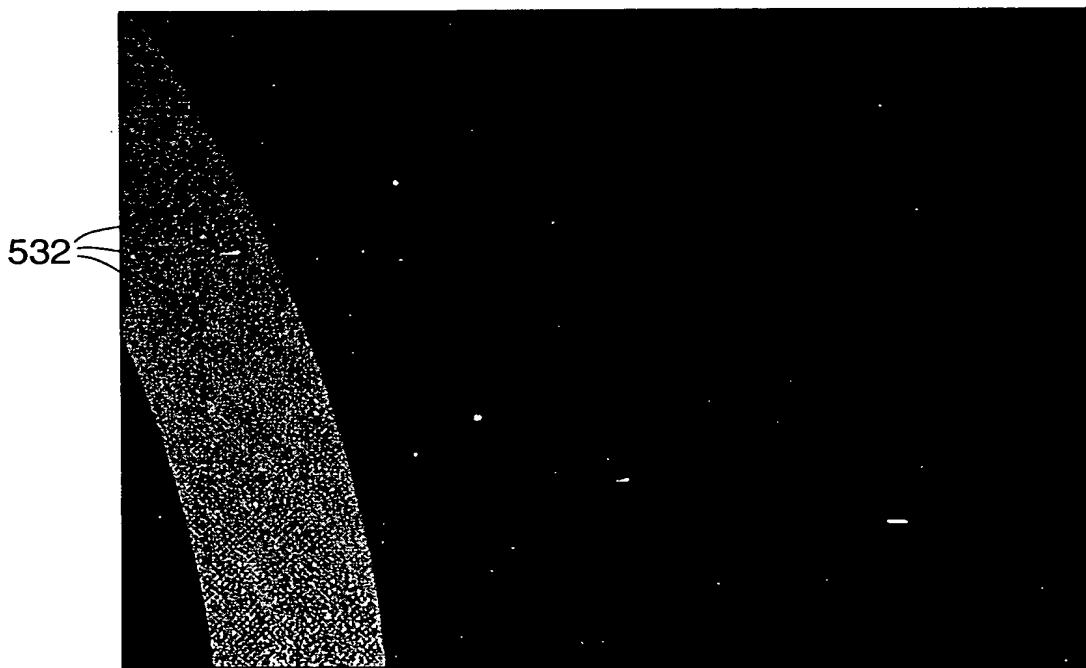
522



1 mm

FIG. 46

530



534

1 mm

FIG. 47



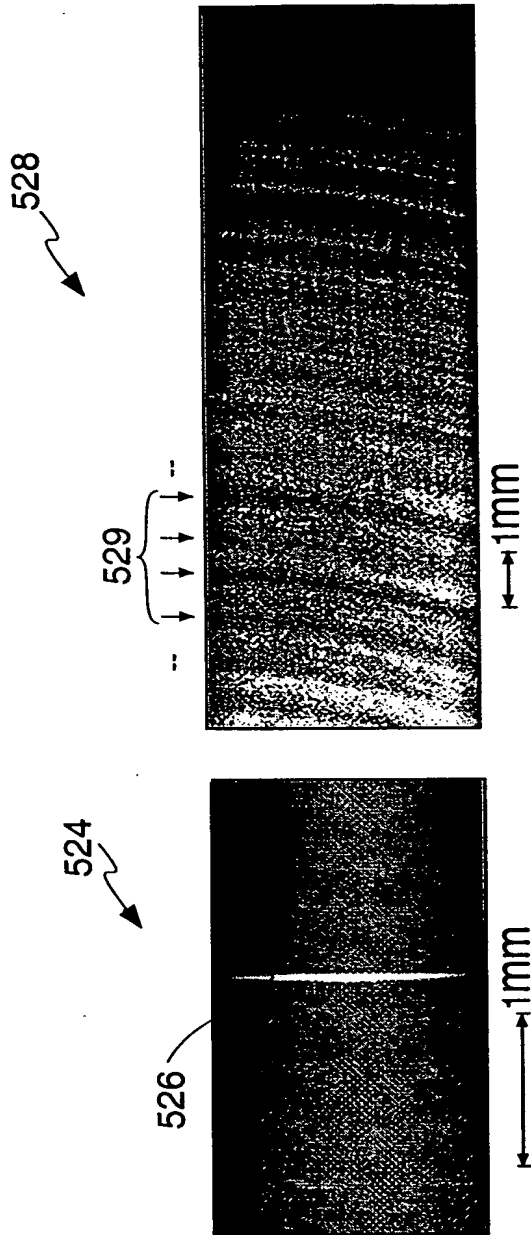


FIG. 48

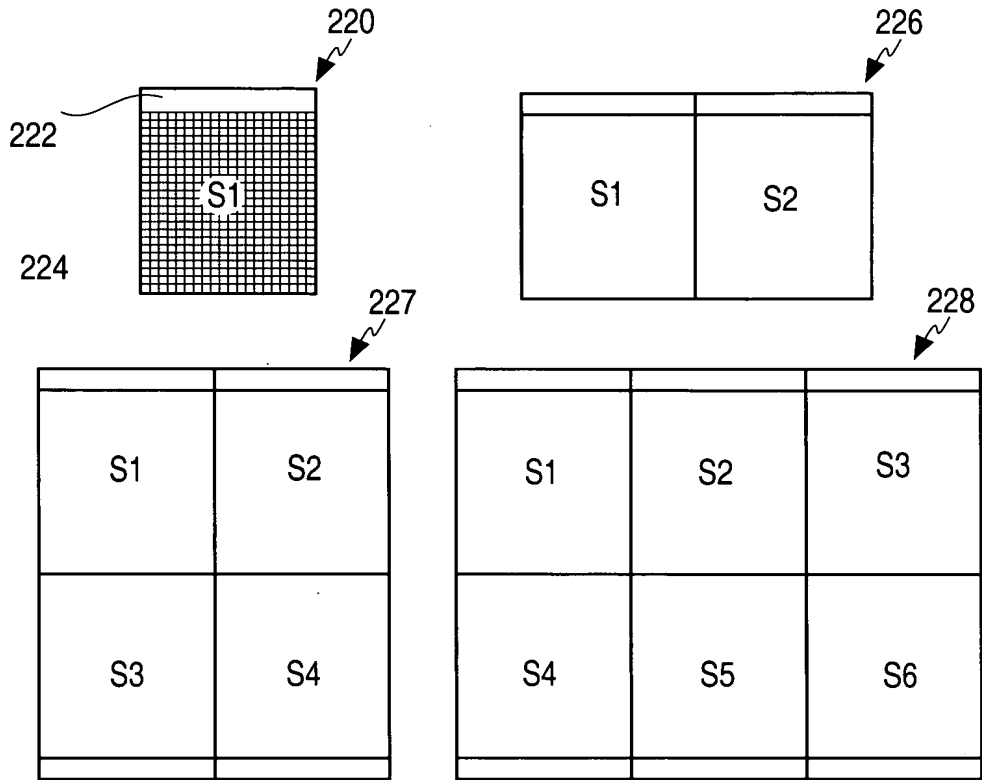


FIG. 23

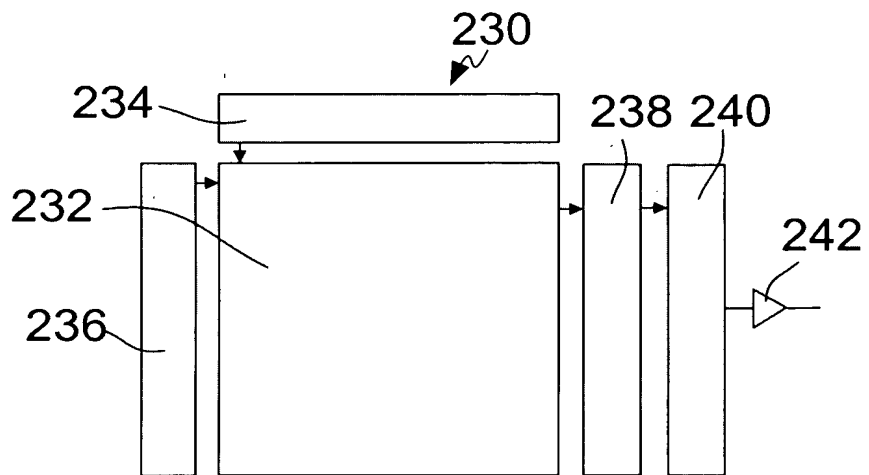


FIG. 23A1

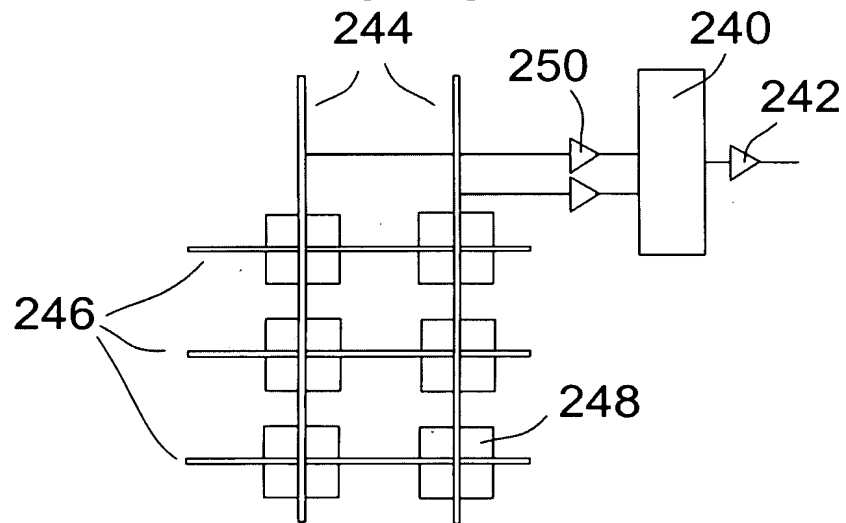


FIG. 23A2